Beach Seine Catches of Juvenile Salmon and other Fish in Masset Inlet and Masset Sound, B.C., in 1984

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Canadian Data Report of
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March 1987

BEACH SEINE CATCHES OF JUVENILE SALMON AND OTHER FISH IN MASSET INLET AND MASSET SOUND, B.C., IN 1984.

by

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ABSTRACT

Hargreaves, N. B., E. W. Carter, and R. J. LeBrasseur. 1987. Beach seine catches of juvenile salmon and other fish in Masset Inlet and Masset Sound, B.C., in 1984. Can. Data Rep. Fish. Aquat. Sci. 640: 79 p.

This report summarizes data for all fish captured with beach seines during 1984 in Masset Inlet and Masset Sound, Queen Charlotte Islands, B.C. This sampling was conducted as part of a larger study designed to investigate the mortality of pink and chum salmon during early sea life. In 1984 beach seining was routinely conducted at 11 locations at approximately seven-day intervals from 1 May to 29 June. Although the primary purpose of this sampling program was to collect juvenile pink and chum salmon, a variety of other species were caught incidentally.

RESUME

Hargreaves, N. B., E. W. Carter, and R. J. LeBrasseur. 1987. Beach seine catches of juvenile salmon and other fish in Masset Inlet and Masset Sound, B.C., in 1984. Can. Data Rep. Fish. Aquat. Sci. 640: 79 p.

Les auteurs résument les données relatives à tous les poissons capturés à la senne de rivage en 1985 dans l'inlet et le détroit Masset des îles de la Reine-Charlotte (C.-B.). Les prélèvements ont été réalisés dans le cadre d'une étude plus vaste conçue dans le but de déterminer les taux de mortalité des saumons rose et kéta au cours des premières étapes de leur vie en mer. En 1985, les prélèvements par senne de rivage ont été effectués en 16 endroits à intervalles de sept jours environ, du 6 avril au 29 juin. Ces travaux d'échantillonage avaient pour objectif premier la capture de juvéniles de saumons rose et kéta, mais un grand nombre d'autres espèces ont aussi été capturées.

INTRODUCTION

Masset Inlet is a large (220 sq. km) tidal basin located on Graham Island in the Queen Charlotte Island group. It is connected to the Pacific Ocean (Dixon Entrance) via Masset Sound, a long (38 km) and narrow (2-4 km) channel (Figure 1). Masset Inlet supports the largest runs of pink salmon in the Queen Charlotte Islands, as well as substantial stocks of other salmonid species. The Masset Inlet stocks of pink salmon are somewhat unusual in that the disparity between even and odd numbered years is very strong, with historic highs of 1 to 2 million adult pinks returning in even numbered years and no pinks returning in odd numbered years (Neave 1962). In addition, the number of pink salmon returning to Masset Inlet in even numbered years has historically undergone dramatic fluctuations from year to year, and during the period of 1970-1980 there appeared to be a significant decline in pink salmon returns. As Masset Inlet was thought to be the primary rearing area for juvenile pink salmon, there were concerns that the general decline might be the result of increases in mortality during the early sea period.

As a result of these concerns, a four-year study of the early sea-life of juvenile pink and chum salmon in Masset Inlet was initiated in 1982 by the Fisheries Research Branch, Department of Fisheries and Oceans. Juvenile salmon and potential predators were collected with a variety of sampling gear including beach seines, two-boat trawl, fish traps, and purse seine. In 1982 sampling began in June and terminated in August. In subsequent years sampling initiated in March or early April and continued until early July. This report summarizes the results for all samples of juvenile salmon and other fish captured with beach seines during 1984. Data for additional samples collected with other types of gear, and beach seine catch data for other years will be published in separate reports (e.g. Hargreaves et al. 1987).

METHODS

Routine beach seining began during the first week in May and continued until the last week of June. During this period, a series of beach seine samples were collected from at least 11 locations throughout Masset Inlet at approximately seven-day intervals. In addition, several locations were sampled in Masset Sound at irregular intervals. For ease of reference, each sampling location (Figure 1) was assigned a unique name (Appendix 3). The original selection of these sampling locations was dictated to a large degree by gear limitations and logistic considerations (e.g. accessibility in bad weather and at all tide levels). However, additional exploratory sampling in other locations yielded comparable fish abundances and species compositions. We therefore assume that samples collected at the 11 locations routinely sampled are representative of Masset Inlet.

Two nets were employed for the routine beach seining in 1984. The first, hereafter referred to as 'fine mesh' beach seine was 46 m (150 feet) long by 3.6 m (12 feet) deep with 6.4-mm (0.25-inch) stretched nylon mesh webbing. The other beach seine had the same overall dimensions but with 12.7-mm (0.5-inch) stretched nylon mesh and is hereafter referred to as the 'coarse mesh' beach seine. Both beach seines had rigid foam corks along the top edge approximately one every meter and a 12.7-mm diameter lead line along the full length of the bottom edge of the net. Nylon ropes, 10 to 15 m long and 12.7 mm diameter were attached to each end of both seines to act as 'leads' into the nets and to provide purchase when pulling them through the water. The 'fine mesh' seine was used during the early part of the year when the juvenile salmon were small. This seine was replaced with the 'coarse mesh' seine as soon as the juvenile salmon could not pass through the meshes of the coarse seine. In use, one of these seines was piled onto the bow of a 5.5-m skiff powered with an 80 or 90 HP outboard motor. The seine was set by nosing the boat in as close as possible to the shore and then a person jumped out of the boat and took the free end of the upper 'lead' rope of the seine ashore. The boat was then backed away from the beach and along the shore in a semi-circle, with the seine paying out from the bow. As the last 3 to 5 m of the seine payed out, the rear of the boat was turned sharply away from the shore to protect the outboard motor and a second person jumped out, taking the loose end of the other 'lead' rope to the shore. The seine was then pulled ashore manually, taking care to purse the lead line before bringing in the cork line.

Each species of salmon in the catch was individually enumerated if the sample was not too large (less than about 100 fish per species). For large catches a sample of 50 to 100 was counted and the number of fish remaining was estimated by visual comparison with the sample. If there were sufficient numbers of fish caught (>20), samples were retained for further analyses by immediate preservation in 4% buffered formalin in sea-water. In some cases, samples of live fish were retained by placing them in large (30 l) plastic containers filled with sea-water and aerated with a small 12-volt air compressor. After obtaining the samples all the remaining fish were released and the seine piled back on the boat ready for deployment at the next location. Live samples of fish were immediately taken back to the laboratory for live measurements or to net enclosures for use in predation experiments (e.g. Hargreaves and LeBrasseur 1986). The preserved samples were usually accumulated aboard the boat and were taken back to the laboratory at the end of the day for subsequent analyses. Typically, the samples were processed within 24 hours of their collection.

In the laboratory (aboard the Fisheries Research Branch barge 'Velella') the preserved samples were sorted by species and counted. Juvenile salmon also were examined for wounds and scars. Up to 50 fish of each species were measured (fork length for salmonids and total length for all other fish) to the nearest millimeter and weighed in grams (to two-decimal place accuracy) using a computerized measurement system (Hargreaves unpubl).

For many samples, stomachs of up to 10 juvenile salmon of each species and of many of the potential predators of juvenile salmon were examined both visually and microscopically. The stomach contents data will be summarized in separate reports.

In the interest of brevity, the beach seine catch data are reported in a condensed format. Examples of catch data from three separate locations are given in Appendix 1, along with an explanation of how to interpret the information. Throughout this report the names of the various fish have been abbreviated and a full list of these abbreviations is provided in Appendix 2. Appendix 3 gives a brief description of the physical characteristics and vegetation at each sampling location.

ACKNOWLEDGEMENTS

Wayne Gorrie assisted with the operation and maintenance of the vessels and fishing gear. Assistance with the beach seine sampling and processing of samples came from Don Webb and Gordon Haas (UBC Graduate Students), Wouter Doesburg and Margret Lucier (visiting students) and Bruce Patten (Malaspina College).

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84-001 MARINELLI POINT 0930 01/05/84 100' F-MESH BEACH SEINE

CHUM	COHO	DOLLY	CUTTHROAT	TUBESNOUT	SCULPIN
30//0	*103//103	*7//7	*10//10	5//0	100//0

*Data for coho, Dolly Varden, and Cutthroat Trout captured in this set are listed in 84-026.

84-002 ROSS BEACH 1330 01/05/84 100' F-MESH BEACH SEINE

CHUM	COHO	GREAT	STAGHORN	TUBESNOUT	BAYPIPE
600//0	14//0	4//0	6//0	12//0	23//0
FLATFISH	CRESCENT				
1//0	3//0				

84-003 PONDS 1430 01/05/84 100' F-MESH BEACH SEINE

CHUM
100//0

84-004 ROSS BEACH 1530 01/05/84 100' F-MESH BEACH SEINE

CHUM	COHO	GREAT	STAGHORN	TUBESNOUT	BAYPIPE
300//0	7//0	2//0	3//0	8//0	15//0
GREENLING	BUFFALO	CRESCENT			
1//0	1//0	1//0			

84-005 ROSS BEACH 0900 02/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	DOLLY	BAYPIPE	FLATFISH	GREENLING
200//0	2//0	1//0	12//0	4//0	2//0
BUFFALO					
1//0					

84-006 AWUN BAY 1030 02/05/84 150' F-MESH BEACH SEINE

CHUM	GREAT	STAGHORN	FLATFISH
25//0	1//0	2//0	1//0

84-007 PARKER POINT 1130 02/05/84 150' F-MESH BEACH SEINE

CHUM	COHC	DOLLY	CUTTHROAT	SHINER
300//0	2//0	4//0	6//0	1//0

84-008 PARKER POINT 1300 02/05/84 150' F-MESH BEACH SEINE

CHUM	CUTTHROAT	GREAT	STAGHORN	TUBESNOUT	SHINER
350//0	1//0	4//0	8//0	1//0	5//0

84-009 BUCKLEY COVE 1400 02/05/84 150' F-MESH BEACH SEINE

CHUM	CUTTHROAT	STAGHORN	TUBESNOUT	BAYPIPE	FLATFISH
20//0	4//0	3//0	10//0	40//0	7//0
GREENLING	SHINER				
1//0	479//0				

84-010 AIN RIVER MOUTH 1530 02/05/84 150' F-MESH BEACH SEINE

SOCKEYE	CHUM	COHO	STAGHORN	FLATFISH	POACHER
8//0	5//0	2//0	28//0	4//0	1//0

84-011 PARKER POINT 1600 02/05/84 150' F-MESH BEACH SEINE

CHUM	SHINER
350//0	1//0

84-012 WAYNE BAY 1430 02/05/84 150' F-MESH BEACH SEINE

SOCKEYE
1//0

84-013 MARINELLI POINT 0900 03/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	DOLLY	CUTTHROAT	FLATFISH
5//0	*114//114	*44//44	*17//17	2//0

*Data for coho, Dolly Varden, and Cutthroat Trout captured in this set are listed in 84-026.

84-014 SAVORY BAY 1000 03/05/84 150' F-MESH BEACH SEINE

CHUM	STICKLE	STAGHORN	TUBESNOUT	FLATFISH
50//0	1//0	5//0	1//0	1//0

84-015 GREG POINT 1015 03/05/84 150' F-MESH BEACH SEINE

SOCKEYE	PINK	CHUM	STICKLE	STAGHORN	SILVER
1//0	1//0	160//0	223//0	5//0	3//0
TUBESNOUT	BAYPIPE	FLATFISH	CRESCENT	BUFFALO	
23//0	8//0	3//0	3//0	1//0	

84-017 ROSS BEACH 1115 03/05/84 150' F-MESH BEACH SEINE

SOCKEYE	CHUM	DOLLY	GREAT	STAGHORN	SILVER
1//0	200//0	1//0	3//0	3//0	2//0
TUBESNOUT	BAYPIPE	FLATFISH	GREENLING	SHINER	CRESCENT
19//0	27//0	3//0	1//0	22//0	5//0
BUFFALO					
1//0					

84-018 BRUCE BAY 1245 03/05/84 150' F-MESH BEACH SEINE

CHUM	TUBESNOUT	BAYPIPE
120//0	6//0	4//0

84-019 PARKER POINT 1330 03/05/84 150' F-MESH BEACH SEINE

CHUM	DOLLY	CUTTHROAT
150//0	1//1	4//4

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	305	259.50	2	330	314.50
3	325	306.50	4	350	331.10

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	330	N/A			

84-020 WAYNE BAY 1400 03/05/84 150' F-MESH BEACH SEINE

CHUM	GREAT	STAGHORN	TUBESNOUT	BAYPIPE	CRESCENT
460//0	1//0	1//0	1//0	6//0	2//0
SHINER					
1//0					

84-022 MUTUS BEACH 1445 03/05/84 150' F-MESH BEACH SEINE

CHUM	BAYPIPE	SCULPIN
30//0	1//0	1//0

84-023 WAYNE BAY 1530 03/05/84 150' F-MESH BEACH SEINE

CHUM	CUTTHROAT	TUBESNOUT	BAYPIPE	SCULPIN
2710//0	2//2	1//0	2//0	2//0

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	240	N/A	2	230	N/A

84-026 MARINELLI POINT 0830 04/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	DOLLY	CUTTHROAT	TUBESNOUT	BAYPIPE
1//0	122//122	8//8	10//10	1//0	1//0

FLATFISH
2//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	80	5.6	2	112	11.5
3	110	15.9	4	104	9.9
5	97	8.5	6	114	15.3
7	114	14.8	8	89	6.9
9	90	8.1	10	93	9.6
11	92	9.1	12	119	19.0
13	98	10.2	14	95	4.4
15	80	6.2	16	85	8.4
17	136	26.6	18	123	18.6
19	90	9.6	20	112	17.1
21	83	6.9	22	92	9.5
23	92	8.7	24	90	7.7
25	87	7.4	26	76	6.0
27	91	8.5	28	87	7.0
29	107	13.4	30	107	15.1
31	85	7.6	32	85	6.7
33	91	8.3	34	85	7.1
35	80	5.9	36	86	7.4
37	78	5.0	38	94	8.9
39	104	12.5	40	85	6.2
41	111	13.4	42	88	7.7
43	88	7.3	44	113	14.6
45	94	9.2	46	92	9.7
47	86	7.1	48	84	7.0
49	89	8.3	50	86	7.0
51	72	4.0	52	84	7.7
53	75	4.4	54	98	10.0
55	96	8.5	56	89	7.3
57	84	6.0	58	83	6.8
59	72	3.4	60	113	14.0
61	97	10.1	62	128	23.5
63	76	4.0	64	102	11.2
65	117	15.0	66	95	8.5
67	96	8.9	68	86	7.1

69	112	15.0	70	89	8.0
71	82	5.2	72	69	3.2
73	113	15.4	74	124	19.1
75	83	6.3	76	113	15.3
77	98	10.3	78	92	8.7
79	122	20.0	80	76	5.1
81	83	6.3	82	109	11.9
83	102	10.0	84	120	16.9
85	102	10.8	86	97	9.2
87	76	5.2	88	86	7.3
89	103	10.8	90	79	5.4
91	89	7.8	92	100	10.3
93	90	8.6	94	91	7.9
95	86	6.2	96	86	6.7
97	84	6.3	98	105	12.2
99	82	5.7	100	84	6.7
101	92	9.0	102	106	12.3
103	114	14.5	104	113	16.1
105	104	11.8	106	93	8.0
107	92	7.8	108	80	5.5
109	86	6.2	110	104	11.9
111	133	22.8	112	98	10.8
113	98	9.5	114	106	12.7
115	104	12.2	116	100	11.7
117	96	8.9	118	95	9.4
119	88	7.8	120	98	10.5
121	130	19.5	122	71	3.5
123	121	18.1	124	128	21.5
125	106	11.8	126	93	8.7
127	85	6.2	128	105	11.7
129	140	27.5	130	111	13.6
131	118	16.1	132	108	12.7
133	83	5.7	134	87	6.9
135	92	7.8	136	87	6.8
137	131	21.8	138	104	11.8
139	113	13.8	140	92	9.1
141	105	10.7	142	98	9.6
143	76	4.8	144	99	10.4
145	96	9.9	146	92	8.5
147	96	9.0	148	94	8.2
149	99	9.5	150	81	5.3
151	100	10.5	152	101	10.9
153	107	13.4	154	104	12.5
155	105	12.2	156	108	14.5
157	92	8.4	158	80	5.7
159	119	17.5	160	89	7.4
161	101	10.5	162	96	9.2
163	98	9.4	164	94	8.5
165	98	8.7	166	104	11.4
167	117	16.2	168	104	12.5
169	107	12.9	170	83	5.4
171	123	19.7	172	116	15.7

173	90	7.8	174	95	9.4
175	88	7.0	176	83	5.9
177	110	15.4	178	132	21.8
179	108	12.7	180	92	9.0
181	95	7.8	182	98	9.9
183	85	6.6	184	92	8.3
185	81	5.3	186	87	7.6
187	93	8.2	188	95	8.3
189	118	16.4	190	90	7.0
191	113	14.5	192	95	8.4
193	96	10.5	194	93	8.3
195	93	8.0	196	69	3.4
197	75	4.2	198	91	8.6
199	102	10.6	200	90	7.4
201	107	12.6	202	104	11.1
203	111	14.4	204	102	11.8
205	96	9.1	206	98	9.8
207	90	8.0	208	80	5.4
209	83	6.1	210	97	9.7
211	108	13.2	212	100	9.5
213	86	6.6	214	93	9.0
215	95	8.6	216	93	8.1
217	102	10.9	218	120	17.1
219	86	6.2	220	99	9.8
221	103	10.8	222	78	4.5
223	90	7.2	224	108	11.9
225	105	12.2	226	107	13.8
227	98	9.9	228	97	8.9
229	91	7.9	230	92	8.2
231	103	10.9	232	87	6.6
233	117	15.5	234	116	16.8
235	105	12.7	236	113	15.8
237	119	16.0	238	107	12.9
239	110	13.4	240	88	7.8
241	101	10.0	242	109	11.8
243	117	16.5	244	95	9.4
245	86	6.4	246	89	6.9
247	122	17.7	248	91	8.2
249	94	8.4	250	103	11.2
251	89	8.0	252	121	17.1
253	98	9.8	254	94	9.2
255	108	12.7	256	90	7.4
257	109	13.3	258	106	13.8
259	109	13.6	260	105	10.9
261	98	9.9	262	94	9.4
263	95	9.2	264	117	15.6
265	103	10.6	266	98	8.9
267	97	9.5	268	76	4.6
269	96	9.1	270	81	5.0
271	107	12.2	272	121	16.7
273	106	12.2	274	95	8.6
275	101	10.8	276	99	10.9

277	82	5.4	278	107	12.6
279	85	5.9	280	92	8.0
281	87	6.4	282	85	6.3
283	93	7.6	284	91	8.2
285	92	7.9	286	91	8.5
287	109	12.0	288	114	14.7
289	84	6.3	290	116	17.7
291	115	14.6	292	112	12.6
293	127	19.1	294	102	10.9
295	104	11.1	296	92	7.7
297	92	8.4	298	99	9.7
299	91	8.3	300	87	7.4
301	77	5.0	302	80	5.1
303	87	7.4	304	102	10.3
305	105	11.1	306	126	21.5
307	107	12.7	308	105	13.3
309	111	15.4	310	102	10.7
311	110	14.8	312	107	12.6
313	114	15.2	314	84	6.3
315	114	12.2	316	87	7.2
317	100	10.0	318	122	17.9
319	139	26.1	320	115	14.7
321	110	16.4	322	94	9.7
323	100	10.5	324	112	13.1
325	104	10.9	326	93	8.2
327	87	6.9	328	97	8.8
329	92	8.3	330	85	6.9
331	81	5.8	332	77	4.3
333	100	10.0	334	112	13.3
335	101	10.8	336	98	9.6
337	97	9.9	338	92	8.8
339	103	11.3			

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	249	125.0	2	208	72.5
3	169	49.9	4	230	93.8
5	232	102.0	6	254	110.4
7	227	90.5	8	138	24.7
9	143	26.0	10	107	12.6
11	138	25.2	12	152	30.9
13	166	39.0	14	132	21.7
15	148	26.3	16	159	37.2
17	148	27.5	18	166	38.1
19	155	33.9	20	146	24.7
21	196	71.4	22	192	55.4
23	140	24.6	24	122	16.4
25	132	18.5	26	157	35.4
27	157	33.2	28	167	43.4
29	146	30.6	30	160	34.8

31	149	27.2	32	143	23.5
33	147	23.4	34	155	33.3
35	174	46.9	36	123	17.4
37	136	21.7	38	177	53.4
39	185	51.2	40	157	37.6
41	139	27.8	42	160	30.8
43	96	17.5	44	124	19.2
45	133	20.3	46	149	27.6
47	177	40.6	48	121	15.4
49	132	19.8	50	128	20.7
51	169	42.2	52	139	24.1
53	165	40.0	54	135	20.6
55	140	25.2	56	132	20.8
57	141	27.8	58	135	22.4
59	330	N/A			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	157	32.8	2	169	41.0
3	245	106.8	4	177	34.7
5	303	233.0	6	185	55.8
7	160	34.9	8	138	22.8
9	147	27.8	10	199	67.0
11	215	87.9	12	241	N/A
13	229	N/A	14	356	N/A
15	330	314.5	16	325	306.5
17	350	331.1	18	305	259.5
19	260	N/A	20	250	N/A
21	295	N/A	22	270	N/A
23	265	N/A	24	285	N/A
25	292	N/A	26	270	N/A
26	360	N/A	28	295	N/A
29	250	N/A	30	270	N/A
31	285	N/A	32	280	N/A
33	340	N/A	34	215	N/A
35	315	N/A	36	125	N/A
37	148	N/A			

*The above data for coho, Dolly Varden, and cutthroat are from combined ID.'s; 84-001, 84-013, and 84-026, all from Marinelli Point.

84-028 ROSS BEACH 1015 04/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	BAYPIPE	FLATFISH	GREENLING	BUFFALO
150//0	2//0	1//0	1//0	1//0	1//0
CRESCENT					
2//0					

84-029 WAYNE BAY 1106 04/05/84 150' F-MESH BEACH SEINE

CHUM	CUTTHROAT	SCULPIN
2500//0	15//15	42//0

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	260	N/A	2	250	N/A
3	295	N/A	4	270	N/A
5	265	N/A	6	285	N/A
7	292	N/A	8	270	N/A
9	360	N/A	10	295	N/A
11	250	N/A	12	270	N/A
13	285	N/A	14	280	N/A
15	340	N/A			

84-030 WOUTER BEACH 1330 04/05/84 150' F-MESH BEACH SEINE

CHUM	DOLLY	GREAT	STAGHORN	SILVER	BAYPIPE
210//0	1//0	1//0	1//0	1//0	5//0

FLATFISH
2//0

84-031 WOUTER BEACH 1400 04/05/84 150' F-MESH BEACH SEINE

CHUM	CUTTHROAT	GREAT	BAYPIPE	SHINER
30//0	1//1	1//0	5//0	2//0

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	275	N/A			

84-032 MUTUS BEACH 1425 04/05/84 150' F-MESH BEACH SEINE

CHUM	FLATFISH
30//0	2//0

84-033 WAYNE BAY 1450 04/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	STAGHORN	BAYPIPE	FLATFISH
20//0	3//0	7//0	2//0	7//0

84-034 WAYNE BAY 1500 04/05/84 150' F-MESH BEACH SEINE

CHUM	STICKLE	STAGHORN	BAYPIPE	FLATFISH	CRESCENT
3450//0	1//0	11//0	6//0	25//0	3//0
SHINER	SCULPIN				
1//0	4//0				

84-035 WAYNE BAY 0915 05/05/84 150' F-MESH BEACH SEINE

CHUM	STICKLE	STAGHORN	FLATFISH	SCULPIN	SHINER
3620//0	1//0	8//0	2//0	155//0	8//0
CRESCENT					
3//0					

84-060 MARINELLI POINT 0900 11/05/84 150' F-MESH BEACH SEINE

CRAB
1//0

84-061 SAVORY BAY 0930 11/05/84 150' F-MESH BEACH SEINE

CHUM	STICKLE	GREAT	STAGHORN	TUBESNOUT	FLATFISH
2//2	4//0	2//0	4//0	23//0	8//0
CRESCENT	SCULPIN				
1//0	3//0				

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	53	1.68	2	51	1.52

84-062 GREG POINT 1030 11/05/84 150' F-MESH BEACH SEINE

CHUM	CUTTHROAT	GREENLING	CRESCENT
300//51	3//2	1//0	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	47	0.92	2	41	0.60
3	43	0.76	4	44	0.75
5	46	0.85	6	44	0.82
7	43	0.74	8	42	0.68
9	39	0.55	10	48	0.97
11	44	0.77	12	42	0.66
13	45	0.85	14	58	1.73
15	50	1.12	16	47	0.98
17	38	0.52	18	42	0.66
19	42	0.70	20	43	0.72
21	44	0.84	22	52	1.32
23	44	0.81	24	45	0.98
25	40	0.60	26	48	1.13
27	41	0.64	28	47	1.08
29	46	0.90	30	41	0.64
31	45	0.87	32	39	0.50
33	52	1.16	34	53	1.50
35	48	1.03	36	49	1.10
37	46	0.75	38	50	1.17
39	40	0.51	40	43	0.73
41	44	0.74	42	50	1.20
43	44	0.87	44	41	0.57
45	47	1.02	46	46	0.92
47	38	0.45	48	50	1.06
49	46	0.89	50	44	0.77
51	51	1.52			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	215	N/A	2	315	N/A

84-063 BIZARRE BEACH 1130 11/05/84 150' F-MESH BEACH SEINE

SANDLANCE	BUFFALO
150//0	1//0

84-064 PARKER POINT 1300 11/05/84 150' F-MESH BEACH SEINE

CHUM	STAGHORN
200//11	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	37	0.51	2	56	1.68
3	48	1.01	4	47	0.91
5	40	0.58	6	43	0.75
7	45	0.85	8	41	0.66
9	40	0.60	10	48	1.03
11	44	0.75			

84-065 WAYNE BAY 1345 11/05/84 150' F-MESH BEACH SEINE

CHUM	STICKLE	STAGHORN	FLATFISH	CRESCENT
16//16	1//0	80//0	2//0	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	48	1.10	2	43	0.69
3	38	0.41	4	39	0.36
5	39	0.38	6	38	0.35
7	41	0.51	8	40	0.54
9	44	0.71	10	39	0.51
11	37	0.39	12	42	0.59
13	37	0.44	14	40	0.49
15	49	1.12	16	40	0.56

84-066 MUTUS BEACH 1415 11/05/84 150' F-MESH BEACH SEINE

TIDEPOOL
1//0

84-067 PONDS 1450 11/05/84 150' F-MESH BEACH SEINE

CHUM	SANDLANCE	TUBESNOUT	BAYPIPE	SHINER
300//30	2//0	7//0	12//0	6//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	38	0.44	2	40	0.54
3	42	0.65	4	44	0.76
5	39	0.53	6	40	0.55
7	41	0.52	8	41	0.54
9	41	0.63	10	42	0.62
11	40	0.56	12	38	0.49
13	41	0.59	14	38	0.45
15	50	1.20	16	40	0.53
17	41	0.60	18	39	0.47
19	43	0.76	20	44	0.83
21	42	0.66	22	41	0.67
23	41	0.58	24	41	0.60
25	50	1.20	26	45	0.73
27	41	0.64	28	44	0.76
29	41	0.54	30	41	0.64

84-069 LEARMONTH ISLAND 1545 11/05/84 150' F-MESH BEACH SEINE

CRESCENT
1//0

84-070 ROSS BEACH 1615 11/05/84 150' F-MESH BEACH SEINE

CHUM	CUTTHROAT	GREAT
5//5	2//2	4//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	45	0.86	2	50	1.29
3	39	0.55	4	39	0.53
5	47	0.92			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	125	N/A	2	148	N/A

84-071 FRASER ISLAND 1700 11/05/84 150' F-MESH BEACH SEINE

COHO	SILVER	FLATFISH
1//1	1//0	1//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	95	N/A			

84-072 MARINELLI POINT 0830 12/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	DOLLY	CUTTHROAT	GREAT	STAGHORN
2//0	107//107	1//1	3//2	1//0	6//0
TUBESNOUT	BAYPIPE	FLATFISH	CRESCENT	SHINER	POACHER
30//0	23//0	5//0	6//0	8//0	1//0
PRICKLE	SCULPIN				
8//0	1//0				

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	96	N/A	2	109	N/A
3	87	N/A	4	97	N/A
5	114	N/A	6	105	N/A
7	86	N/A	8	84	N/A
9	82	N/A	10	103	N/A
11	106	N/A	12	108	N/A
13	95	N/A	14	81	N/A
15	100	N/A	16	95	N/A
17	98	N/A	18	103	N/A
19	107	N/A	20	88	N/A
21	87	N/A	22	92	N/A
23	75	N/A	24	107	N/A
25	102	N/A	26	110	N/A
27	79	N/A	28	94	N/A
29	109	N/A	30	89	N/A
31	104	N/A	32	91	N/A
33	86	N/A	34	102	N/A
35	110	N/A	36	110	N/A
37	108	N/A	38	85	N/A
39	110	N/A	40	88	N/A
41	92	N/A	42	95	N/A
43	95	N/A	44	92	N/A
45	98	N/A	46	93	N/A
47	102	N/A	48	82	N/A

49	89	N/A	50	84	N/A
51	103	N/A	52	100	N/A
53	92	N/A	54	103	N/A
55	86	N/A	56	92	N/A
57	81	N/A	58	100	N/A
59	106	N/A	60	118	N/A
61	103	N/A	62	103	N/A
63	95	N/A	64	99	N/A
65	94	N/A	66	98	N/A
67	85	N/A	68	100	N/A
69	76	N/A	70	115	N/A
71	91	N/A	72	96	N/A
73	95	N/A	74	102	N/A
75	104	N/A	76	114	N/A
77	95	N/A	78	105	N/A
79	116	N/A	80	91	N/A
81	94	N/A	82	82	N/A
83	91	N/A	84	89	N/A
85	89	N/A	86	92	N/A
87	120	N/A	88	92	N/A
89	128	N/A	90	97	N/A
91	100	N/A	92	95	N/A
93	100	N/A	94	108	N/A
95	100	N/A	96	98	N/A
97	113	N/A	98	102	N/A
99	89	N/A	100	90	N/A
101	93	N/A	102	103	N/A
103	100	N/A	104	96	N/A
105	128	N/A	106	100	N/A
107	112	N/A			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	190	N/A	2	190	N/A

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	130	N/A			

84-073 GREG POINT 1000 12/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	DOLLY	SEBASTES	SCULPIN
150//29	60//10	6//6	3//0	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	46	0.91	2	45	0.81
3	37	0.50	4	47	1.04
5	48	1.03	6	44	0.70
7	45	0.89	8	46	0.94
9	45	0.79	10	46	0.99
11	42	0.61	12	46	0.88
13	45	0.87	14	38	0.49
15	41	0.63	16	41	0.69
17	41	0.76	18	43	0.76
19	42	0.69	20	44	0.76
21	49	1.13	22	48	1.04
23	40	0.53	24	43	0.88
25	47	1.09	26	51	1.27
27	42	0.64	28	43	0.68
29	35	0.36			

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	112	N/A	2	89	N/A
3	85	N/A	4	89	N/A
5	104	N/A	6	90	N/A
7	102	N/A	8	105	N/A
9	96	N/A	10	96	N/A

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	125	N/A	2	134	N/A
3	120	N/A	4	127	N/A
5	155	N/A	6	132	N/A

84-074 GRAVEL BAR 1050 12/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	STICKLE	GREAT	STAGHORN	SILVER
400//29	1//0	50//0	4//0	4//0	2//0
TUBESNOUT	BAYPIPE	FLATFISH	SCULPIN	CRESCENT	PRICKLE
1//0	6//0	3//0	3//0	12//0	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	67	2.92	2	58	1.94
3	43	0.85	4	48	1.18
5	45	0.85	6	44	0.91

7	43	0.77	8	46	0.93
9	46	1.02	10	50	1.20
11	54	1.52	12	57	1.73
13	41	0.54	14	48	1.17
15	43	0.80	16	48	1.09
17	60	2.26	18	43	0.77
19	46	0.97	20	43	0.71
21	47	1.02	22	45	0.80
23	39	0.48	24	45	0.88
25	46	1.08	26	43	0.79
27	49	1.24	28	46	0.87
29	46	0.98			

84-075 COOK POINT 1130 12/05/84 150' F-MESH BEACH SEINE

CHUM	STICKLE	GREAT	STAGHORN	CRESCENT
1//0	1//0	5//0	100//0	2//0

84-076 GRIFFITH POINT 1330 12/05/84 150' F-MESH BEACH SEINE

CHUM	COHO
3//3	17//10

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	54	1.65	2	45	0.73
3	51	1.16			

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	86	N/A	2	105	N/A
3	93	N/A	4	99	N/A
5	78	N/A	6	89	N/A
7	95	N/A	8	86	N/A
9	90	N/A	10	82	N/A

84-077 CROWELL POINT 1430 12/05/84 150' F-MESH BEACH SEINE

COHO	DOLLY	GREAT
200//10	100//9	3//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	115	N/A	2	112	N/A
3	103	N/A	4	114	N/A
5	119	N/A	6	110	N/A
7	109	N/A	8	100	N/A
9	95	N/A	10	104	N/A

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	184	N/A	2	181	N/A
3	172	N/A	4	254	N/A
5	227	N/A	6	179	N/A
7	183	N/A	8	173	N/A
9	165	N/A			

84-078 DELKATLA 1500 12/05/84 150' F-MESH BEACH SEINE

CHUM	GREAT	STAGHORN	FLATFISH	FISH SP
1//0	3//0	100//0	2//0	2//0

84-079 ENTRY POINT 1530 12/05/84 150' F-MESH BEACH SEINE

DOLLY	GREAT	STAGHORN	FLATFISH	CRESCENT
13//13	2//0	1//0	1//0	3//0

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	209	N/A	2	279	N/A
3	218	N/A	4	257	N/A
5	350	N/A	6	350	N/A
7	295	N/A	8	352	N/A
9	226	N/A	10	303	N/A
11	288	N/A	12	270	N/A
13	235	N/A			

84-080 GREG POINT 1730 12/05/84 150' F-MESH BEACH SEINE

SOCKEYE	CHUM	COHO
1//1	100//32	1//1

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	39	0.55	2	48	1.15
3	40	0.55	4	46	1.00
5	43	0.73	6	45	0.89
7	47	0.98	8	39	0.49
9	53	1.50	10	46	0.96
11	43	0.79	12	43	0.72
13	45	0.89	14	45	0.87
15	46	0.83	16	55	1.71
17	55	1.67	18	49	1.03
19	48	1.08	20	43	0.87
21	45	0.86	22	45	0.95
23	41	0.64	24	45	0.88
25	48	0.99	26	43	0.82
27	45	0.90	28	43	0.63
29	48	1.11	30	43	0.73
31	41	0.69	32	40	0.61

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	126	N/A			

SOCKEYE SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	90	N/A			

84-082 MARINELLI POINT 1730 14/05/84 150' F-MESH BEACH SEINE

COHO	GREAT	TUBESNOUT	BAYPIPE	PRICKLE	CRESCENT
22//22	1//0	1//0	7//0	2//0	2//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	85	N/A	2	115	N/A
3	100	N/A	4	80	N/A
5	72	N/A	6	108	N/A
7	98	N/A	8	92	N/A
9	95	N/A	10	105	N/A
11	100	N/A	12	90	N/A
13	82	N/A	14	88	N/A
15	94	N/A	16	81	N/A
17	82	N/A	18	82	N/A

19	87	N/A	20	90	N/A
21	90	N/A	22	95	N/A

84-083 MARINELLI POINT 0915 15/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	STAGHORN	TUBESNOUT	BAYPIPE	HERRING
1//0	1//0	16//0	29//0	2//0	2//0
FLATFISH	PRICKLE	CRESCENT	SCULPIN		
15//0	17//0	13//0	1//0		

84-092 MARINELLI POINT 0845 17/05/84 150' F-MESH BEACH SEINE

NO CATCH

84-093 SAVORY BAY 0915 17/05/84 150' F-MESH BEACH SEINE

CHUM	STICKLE	STAGHORN	FLATFISH
18//17	1//0	17//0	4//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	50	1.24	2	50	1.28
3	50	1.34	4	48	1.13
5	48	1.03	6	50	1.13
7	47	0.98	8	46	0.96
9	46	0.96	10	45	0.85
11	45	0.90	12	45	0.80
13	43	0.81	14	43	0.75
15	43	0.79	16	43	0.75
17	41	0.49			

84-094 GREG POINT 0950 17/05/84 150' F-MESH BEACH SEINE

SOCKEYE	CHUM	DOLLY	CUTTHROAT	GREAT	SILVER
2//2	100//33	3//3	1//1	1//1	1//0
BUFFALO					
2//0					

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	45	0.92	2	47	1.01
3	41	0.53	4	47	1.01
5	49	1.25	6	42	0.72
7	44	0.87	8	46	0.97
9	43	0.79	10	40	0.52
11	43	0.73	12	40	0.49
13	44	0.79	14	49	1.03
15	42	0.67	16	43	0.75
17	52	1.48	18	49	1.06
19	44	0.77	20	44	0.76
21	43	0.73	22	43	0.65
23	48	1.14	24	42	0.58
25	45	0.84	26	48	1.18
27	47	1.03	28	43	0.72
29	44	0.84	30	43	0.93
31	N/A	N/A	32	N/A	N/A
33	N/A	N/A			

SOCKEYE SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	89	N/A	2	88	N/A

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	286	N/A			

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	160	N/A	2	193	N/A
3	259	N/A			

GREAT SCULPIN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	367	N/A			

84-095 BIZARRE BEACH 1030 17/05/84 150' F-MESH BEACH SEINE

CUTTHROAT	GREAT	BAYPIPE
1//1	1//0	1//0

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	255	N/A			

84-096 FRASER ISLAND 1230 17/05/84 150' F-MESH BEACH SEINE

CUTTHROAT	STICKLE
1//1	1//0

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	324	N/A			

84-097 ROSS BEACH 1300 17/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	STICKLE	GREAT	TUBESNOUT	BAYPIPE
1//0	2//2	1//0	1//0	5//0	18//0
FLATFISH	GREENLING	CRESCENT	SCULPIN	BUFFALO	
3//0	2//0	1//0	1//0	1//0	

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	120	N/A	2	108	N/A

84-098 PARKER POINT 1345 17/05/84 150' F-MESH BEACH SEINE

COHO	DOLLY	CUTTHROAT	BUFFALO
16//7	5//4	5//2	2//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	103	N/A	2	117	N/A
3	137	N/A	4	130	N/A
5	135	N/A	6	130	N/A
7	103	N/A			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	160	N/A	2	152	N/A

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	229	N/A	2	152	N/A
3	140	N/A	4	128	N/A

84-099 WAYNE BAY 1430 17/05/84 150' F-MESH BEACH SEINE

CHUM	TUBESNOUT	BAYPIPE	FLATFISH	SHINER
120//30	6//0	5//0	2//0	1//0
CRESCENT	PRICKLE	POACHER	SCULPIN	
2//0	2//0	1//0	3//0	

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	52	1.33	2	51	1.23
3	51	1.30	4	50	1.25
5	49	1.20	6	48	0.99
7	48	0.95	8	45	0.82
9	46	1.00	10	46	0.90
11	45	0.95	12	45	0.81
13	45	0.88	14	45	0.85
15	44	0.84	16	43	0.72
17	45	0.93	18	45	0.76
19	42	0.71	20	42	0.73
21	43	0.77	22	44	0.82
23	43	0.69	24	42	0.64
25	41	0.71	26	41	0.61
27	42	0.64	28	41	0.54
29	40	0.58	30	41	0.60

84-100 MUTUS BEACH 1500 17/05/84 150' F-MESH BEACH SEINE

STICKLE	SCULPIN	SHINER
1//0	1//0	1//0

84-101 PONDS 1520 17/05/84 150' F-MESH BEACH SEINE

CHUM	TUBESNOUT	BAYPIPE
100//30	7//0	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	46	0.98	2	46	0.96
3	43	0.71	4	43	0.92
5	44	0.74	6	46	0.90
7	46	0.86	8	46	0.91
9	46	0.93	10	45	0.82
11	45	0.94	12	45	0.94
13	40	0.50	14	42	0.63
15	45	0.78	16	45	0.90
17	45	0.79	18	43	0.75
19	42	0.62	20	41	0.58
21	41	0.67	22	40	0.62
23	41	0.64	24	42	0.67
25	41	0.62	26	39	0.45
27	38	0.41	28	39	0.46
29	40	0.55	30	40	0.45

84-102 LEARMONTH ISLAND 1530 17/05/84 150' F-MESH BEACH SEINE

DOLLY
1//1

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	161	N/A			

84-112 MARINELLI POINT 0830 21/05/84 150' F-MESH BEACH SEINE

SOCKEYE	COHO	DOLLY	STAGHORN	HERRING	SHINER
3//3	249//249	13//13	1//0	1//1	65//0

CRESCENT
4//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	100	N/A	2	99	N/A
3	98	N/A	4	101	N/A
5	83	N/A	6	108	N/A
7	135	N/A	8	90	N/A
9	98	N/A	10	98	N/A
11	98	N/A	12	97	N/A
13	90	N/A	14	113	N/A
15	95	N/A	16	112	N/A
17	99	N/A	18	114	N/A
19	92	N/A	20	100	N/A
21	95	N/A	22	98	N/A
23	98	N/A	24	95	N/A
25	99	N/A	26	90	N/A
27	94	N/A	28	93	N/A
29	98	N/A	30	93	N/A
31	100	N/A	32	105	N/A
33	90	N/A	34	95	N/A
35	101	N/A	36	83	N/A
37	95	N/A	38	91	N/A
39	115	N/A	40	91	N/A
41	92	N/A	42	100	N/A
43	102	N/A	44	103	N/A
45	135	N/A	46	90	N/A
47	105	N/A	48	94	N/A
49	97	N/A	50	101	N/A
51	102	N/A	52	106	N/A
53	98	N/A	54	104	N/A
55	96	N/A	56	80	N/A
57	114	N/A	58	94	N/A
59	106	N/A	60	85	N/A
61	103	N/A	62	101	N/A
63	91	N/A	64	82	N/A
65	94	N/A	66	103	N/A
67	98	N/A	68	109	N/A
69	89	N/A	70	89	N/A
71	108	N/A	72	91	N/A
73	85	N/A	74	112	N/A
75	85	N/A	76	88	N/A
77	99	N/A	78	108	N/A
79	78	N/A	80	108	N/A
81	93	N/A	82	83	N/A
83	89	N/A	84	86	N/A
85	85	N/A	86	83	N/A
87	110	N/A	88	83	N/A
89	102	N/A	90	92	N/A
91	138	N/A	92	104	N/A
93	93	N/A	94	104	N/A
95	100	N/A	96	114	N/A
97	88	N/A	98	118	N/A
99	92	N/A	100	87	N/A

101	97	N/A	102	82	N/A
103	98	N/A	104	110	N/A
105	105	N/A	106	116	N/A
107	99	N/A	108	86	N/A
109	105	N/A	110	90	N/A
111	98	N/A	112	92	N/A
113	109	N/A	114	87	N/A
115	88	N/A	116	113	N/A
117	88	N/A	118	101	N/A
119	92	N/A	120	100	N/A
121	103	N/A	122	102	N/A
123	105	N/A	124	87	N/A
125	89	N/A	126	83	N/A
127	92	N/A	128	90	N/A
129	85	N/A	130	94	N/A
131	94	N/A	132	93	N/A
133	88	N/A	134	93	N/A
135	83	N/A	136	99	N/A
137	98	N/A	138	90	N/A
139	89	N/A	140	88	N/A
141	85	N/A	142	82	N/A
143	89	N/A	144	82	N/A
145	89	N/A	146	86	N/A
147	87	N/A	148	82	N/A
149	89	N/A	150	90	N/A
151	113	N/A	152	105	N/A
153	92	N/A	154	117	N/A
155	95	N/A	156	104	N/A
157	93	N/A	158	87	N/A
159	119	N/A	160	85	N/A
161	90	N/A	162	129	N/A
163	88	N/A	164	92	N/A
165	116	N/A	166	96	N/A
167	100	N/A	168	91	N/A
169	96	N/A	170	113	N/A
171	112	N/A	172	108	N/A
173	103	N/A	174	105	N/A
175	108	N/A	176	101	N/A
177	115	N/A	178	112	N/A
179	93	N/A	180	92	N/A
181	94	N/A	182	103	N/A
183	111	N/A	184	89	N/A
185	92	N/A	186	109	N/A
187	107	N/A	188	95	N/A
189	100	N/A	190	100	N/A
191	82	N/A	192	102	N/A
193	98	N/A	194	93	N/A
195	100	N/A	196	89	N/A
197	100	N/A	198	98	N/A
199	120	N/A	200	95	N/A
201	110	N/A	202	112	N/A
203	75	N/A	204	93	N/A

205	100	N/A	206	109	N/A
207	82	N/A	208	124	N/A
209	90	N/A	210	94	N/A
211	93	N/A	212	93	N/A
213	101	N/A	214	98	N/A
215	94	N/A	216	83	N/A
217	102	N/A	218	98	N/A
219	90	N/A	220	88	N/A
221	90	N/A	222	92	N/A
223	94	N/A	224	75	N/A
225	107	N/A	226	99	N/A
227	103	N/A	228	100	N/A
229	100	N/A	230	105	N/A
231	90	N/A	232	115	N/A
233	95	N/A	234	94	N/A
235	92	N/A	236	96	N/A
237	85	N/A	238	86	N/A
239	88	N/A	240	76	N/A
241	97	N/A	242	94	N/A
243	116	N/A	244	111	N/A
245	120	N/A	246	90	N/A
247	97	N/A	248	95	N/A
249	71	N/A			

SOCKEYE SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	84	N/A	2	81	N/A
3	72	N/A			

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	120	N/A	2	123	N/A
3	128	N/A	4	146	N/A
5	145	N/A	6	130	N/A
7	120	N/A	8	108	N/A
9	140	N/A	10	157	N/A
11	130	N/A	12	152	N/A
13	140	N/A			

HERRING

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	195	N/A			

84-113 SAVORY BAY 0900 21/05/84 150' F-MESH BEACH SEINE

COHO	DOLLY	STAGHORN	FLATFISH
4//4	7//7	3//0	2//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	83	N/A	2	100	N/A
3	90	N/A	4	111	N/A

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	121	N/A	2	149	N/A
3	155	N/A	4	131	N/A
5	125	N/A	6	124	N/A
7	136	N/A			

84-114 GREG POINT 0945 21/05/84 150' F-MESH BEACH SEINE

SOCKEYE	CHUM	COHO	STICKLE	SANDLANCE	CRESCENT
2//2	70//57	11//11	8//0	150//33	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	39	0.52	2	49	1.20
3	57	1.73	4	54	1.55
5	47	0.99	6	61	2.13
7	53	1.44	8	51	1.28
9	55	1.57	10	48	1.08
11	49	1.06	12	50	1.13
13	48	1.12	14	49	1.06
15	47	0.99	16	50	1.21
17	46	1.00	18	52	1.27
19	50	1.07	20	54	1.53
21	47	0.97	22	51	1.23
23	52	1.27	24	54	1.51
25	40	0.42	26	46	1.06
27	52	1.33	28	37	0.33
29	53	1.47	30	36	0.30
31	46	0.98	32	44	0.84
33	49	1.08	34	53	1.39
35	52	1.30	36	56	1.67

37	62	2.19	38	50	1.30
39	39	0.38	40	50	1.29
41	49	1.10	42	43	0.69
43	56	1.57	44	45	0.80
45	57	1.78	46	48	1.00
47	48	1.15	48	45	0.84
49	41	0.56	50	57	1.63
51	45	0.68	52	49	1.18
53	43	0.77	54	49	1.15
55	46	0.86	56	38	0.41
57	50	1.24			

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	122	N/A	2	118	N/A
3	96	N/A	4	94	N/A
5	95	N/A	6	92	N/A
7	99	N/A	8	98	N/A
9	93	N/A	10	83	N/A
11	94	N/A			

SOCKEYE SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	76	3.47	2	81	4.95

SANDLANCE

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	87	2.49	2	89	4.91
3	90	2.79	4	90	2.28
5	89	2.37	6	100	4.87
7	85	1.97	8	85	2.25
9	74	1.68	10	88	2.66
11	85	2.07	12	81	1.77
13	84	2.29	14	90	2.56
15	88	2.65	16	83	2.09
17	86	2.10	18	90	2.62
19	82	1.62	20	81	1.97
21	87	2.73	22	88	2.31
23	86	2.11	24	88	2.13
25	91	2.62	26	90	2.57
27	91	2.84	28	86	2.08
29	91	2.24	30	86	2.16
31	87	1.95	32	92	2.46
33	90	2.28			

84-115 BIZARRE BEACH 1020 21/05/84 150' F-MESH BEACH SEINE

SILVER	TUBESNOUT	BAYPIPE	CRESCENT	SHINER
1//0	15//0	20//0	3//0	200//0

84-116 PARKER POINT 1115 21/05/84 150' F-MESH BEACH SEINE

CHUM	STAGHORN	BAYPIPE
150//52	1//0	2//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	55	1.73	2	58	2.05
3	57	1.85	4	57	2.09
5	54	1.69	6	54	1.66
7	53	1.47	8	53	1.55
9	54	1.72	10	53	1.44
11	53	1.44	12	53	1.68
13	51	1.39	14	48	1.13
15	57	2.04	16	58	2.32
17	49	1.19	18	57	1.87
19	53	1.53	20	52	1.36
21	52	1.52	22	58	1.94
23	51	1.29	24	50	1.20
25	52	1.44	26	50	1.28
27	49	1.05	28	46	0.97
29	50	1.37	30	49	1.26
31	47	1.13	32	52	1.46
33	49	1.15	34	49	1.16
35	50	1.34	36	50	1.29
37	50	1.35	38	46	0.99
39	47	1.17	40	47	1.13
41	47	1.11	42	46	0.89
43	43	0.75	44	43	0.72
45	42	0.67	46	43	0.80
47	43	0.79	48	43	0.73
49	41	0.63	50	41	0.68
51	40	0.46	52	N/A	N/A

84-117 WAYNE BAY 1140 21/05/84 150' F-MESH BEACH SEINE

CHUM	STICKLE	STAGHORN	FLATFISH	CRESCENT
300//65	1//0	2//1	1//0	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	54	1.72	2	51	1.44
3	50	1.34	4	46	0.92
5	47	1.11	6	49	1.26
7	49	1.17	8	53	1.53
9	51	1.34	10	49	1.21
11	53	1.73	12	49	1.05
13	47	1.00	14	52	1.50
15	50	1.32	16	51	1.45
17	51	1.27	18	50	1.32
19	49	1.25	20	52	1.53
21	49	1.33	22	49	1.24
23	48	1.06	24	50	1.22
25	50	1.11	26	49	1.32
27	47	1.17	28	47	1.13
29	54	1.67	30	50	1.31
31	48	1.10	32	48	1.09
33	48	1.14	34	46	1.06
35	46	0.86	36	45	0.91
37	46	0.94	38	45	0.88
39	44	0.88	40	45	1.11
41	43	0.86	42	43	0.75
43	46	0.95	44	46	0.67
45	47	1.12	46	45	0.90
47	45	0.83	48	42	0.70
49	46	1.04	50	40	0.56
51	45	0.98	52	45	0.87
53	40	0.69	54	44	0.92
55	45	1.01	56	42	0.77
57	43	0.78	58	45	0.85
59	43	0.76	60	43	0.76
61	43	0.82	62	39	0.54
63	46	0.98	64	39	0.43
65	40	0.64			

STAGHORN SCULPIN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	80	5.82			

84-118 MUTUS BEACH 1200 21/05/84 150' F-MESH BEACH SEINE

CHUM	SCULPIN
75//56	10//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	49	1.11	2	47	0.98
3	49	1.08	4	46	0.94
5	44	0.77	6	46	0.99
7	39	0.42	8	47	1.00
9	51	1.26	10	50	1.16
11	54	1.54	12	48	1.01
13	47	1.00	14	47	0.80
15	48	1.01	16	44	0.83
17	49	1.19	18	51	1.23
19	46	0.86	20	52	1.42
21	51	1.21	22	48	0.95
23	48	1.03	24	48	1.02
25	47	1.10	26	52	1.35
27	44	0.79	28	46	0.89
29	48	1.12	30	51	1.28
31	50	1.16	32	48	1.01
33	49	1.20	34	44	0.77
35	44	0.94	36	49	1.12
37	46	0.84	38	44	0.73
39	42	0.59	40	49	1.15
41	45	0.82	42	44	0.76
43	45	0.90	44	42	0.64
45	53	1.52	46	50	1.13
47	45	0.87	48	47	1.00
49	47	0.96	50	48	1.11
51	48	0.99	52	46	0.86
53	42	0.63	54	48	0.97
55	51	1.22	56	N/A	N/A

84-119 PONDS 1315 21/05/84 150' F-MESH BEACH SEINE

NO CATCH

84-120 LEARMONTH ISLAND 1330 21/05/84 150' F-MESH BEACH SEINE

SCULPIN
2//0

84-121 ROSS BEACH 1400 21/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	CUTTHROAT	GREAT	STAGHORN	SILVER
7//0	3//3	3//3	13//0	1//0	6//0
TUBESNOUT	BAYPIPE	FLATFISH	GREENLING	SCULPIN	SHINER
12//0	100//0	1//0	2//0	1//0	27//0
CRESCENT					
41//0					

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	110	N/A	2	100	N/A
3	100	N/A			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	355	N/A	2	121	N/A
3	109	N/A			

84-122 FRASER ISLAND 1440 21/05/84 150' F-MESH BEACH SEINE

GREAT	SILVER	CRESCENT
2//0	1//0	2//0

84-123 SAVORY BAY 0850 29/05/84 150' F-MESH BEACH SEINE

STAGHORN	SANDLANCE	TUBESNOUT	BAYPIPE	FLATFISH	CRESCENT
3//0	1//0	16//0	2//0	7//0	2//0
SHINER					
16//0					

84-124 GREG POINT 0915 29/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	STICKLE	SILVER	TUBESNOUT
19//19	11//11	4//0	1//0	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	62	2.35	2	65	2.73
3	64	2.36	4	60	2.37
5	64	2.56	6	61	2.20
7	60	2.21	8	65	2.96
9	55	1.51	10	50	1.14
11	62	2.27	12	59	2.16
13	59	2.03	14	54	1.50
15	54	1.51	16	58	1.95
17	42	0.54	18	39	0.43
19	38	0.45			

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	116	N/A	2	123	N/A
3	126	N/A	4	128	N/A
5	133	N/A	6	128	N/A
7	122	N/A	8	124	N/A
9	119	N/A	10	108	N/A
11	117	N/A			

84-125 BIZARRE BEACH 1000 29/05/84 150' F-MESH BEACH SEINE

CHUM	SILVER	TUBESNOUT	SHINER
1//0	1//0	2//0	500//0

84-126 PARKER POINT 1045 29/05/84 150' F-MESH BEACH SEINE

COHO	DOLLY	CUTTHROAT	GREAT	TUBESNOUT	CRESCENT
1//1	3//3	3//3	1//0	2//0	1//0
SCULPIN					
1//0					

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	140	N/A			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	155	34.0	2	134	22.0
3	106	10.0			

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	154	34.0	2	155	36.0
3	146	30.0			

84-127 WAYNE BAY 1145 29/05/84 150' F-MESH BEACH SEINE

CHUM	CUTTHROAT	GREAT	SCULPIN
15//15	1//1	1//0	2//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	49	1.09	2	54	1.46
3	50	1.17	4	53	1.48
5	51	1.22	6	51	1.35
7	50	1.20	8	45	0.97
9	40	0.67	10	40	0.60
11	49	1.01	12	45	0.88
13	46	0.94	14	39	0.53
15	37	0.41			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	342	N/A			

84-128 MUTUS BEACH 1215 29/05/84 150' F-MESH BEACH SEINE

NO CATCH

84-129 PONDS 1315 29/05/84 150' F-MESH BEACH SEINE

NO CATCH

84-130 LEARMONTH ISLAND 1330 29/05/84 150' F-MESH BEACH SEINE

NO CATCH

84-131 ROSS BEACH 1350 29/05/84 150' F-MESH BEACH SEINE

CHUM	COHO	STICKLE	STAGHORN	TUBESNOUT	BAYPIPE
3//3	1//1	1//0	1//0	3//0	43//0
CRESCENT	BUFFALO				
5//0	1//0				

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	53	1.51	2	41	0.60
3	39	0.50			

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	109	N/A			

84-132 FRASER ISLAND 1415 29/05/84 150' F-MESH BEACH SEINE

NO CATCH

84-133 MARINELLI POINT 1515 29/05/84 150' F-MESH BEACH SEINE

COHO	DOLLY	BAYPIPE	CRESCENT	SHINER	PRICKLE
35//0	1//0	3//0	3//0	4//0	1//0

84-134 MARINELLI POINT 0900 31/05/84 150' F-MESH BEACH SEINE

COHO	GREAT	STAGHORN	TUBESNOUT	BAYPIPE	CRESCENT
10//0	2//0	6//0	2//0	3//0	18//0
SHINER	POACHER	PRICKLE			
14//0	1//0	1//0			

84-135 MARINELLI POINT 0840 01/06/84 150' F-MESH BEACH SEINE

STAGHORN	TUBESNOUT	SHINER	CRESCENT
4//0	4//0	67//0	4//0

84-136 MARINELLI POINT 0900 02/06/84 150' F-MESH BEACH SEINE

COHO	DOLLY	STAGHORN	TUBESNOUT	SHINER	CRESCENT
6//0	1//1	19//0	15//0	26//0	4//0
POACHER	PRICKLE				
1//0	1//0				

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	130	N/A			

84-137 MARINELLI POINT 0900 03/06/84 150' F-MESH BEACH SEINE

CHUM	COHO	STAGHORN	BAYPIPE	SHINER	CRESCENT
9//0	3//0	4//0	1//0	25//0	3//0
POACHER					
1//0					

84-138 WAYNE BAY 0945 05/06/84 150' F-MESH BEACH SEINE

CHUM	STICKLE	STAGHORN	SILVER	CRESCENT
43//43	1//0	60//0	1//0	2//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	54	1.32	2	51	1.13
3	58	1.81	4	54	1.45
5	57	1.76	6	60	1.93
7	57	1.56	8	55	1.49
9	59	1.88	10	58	1.77
11	58	1.73	12	58	1.85
13	61	1.98	14	N/A	N/A
15	59	1.78	16	57	1.77

17	56	1.55	18	54	1.49
19	58	1.63	20	55	1.60
21	53	1.31	22	54	1.44
23	56	1.59	24	59	1.90
25	57	1.62	26	57	1.71
27	57	1.72	28	53	1.35
29	52	1.23	30	55	1.42
31	44	0.78	32	54	1.41
33	58	2.00	34	61	1.98
35	N/A	N/A	36	45	0.79
37	53	1.44	38	60	1.83
39	63	2.36	40	55	1.64
41	58	1.76	42	56	1.65
43	52	1.34			

84-139 MUTUS BEACH 1015 05/06/84 150' F-MESH BEACH SEINE

STICKLE	STAGHORN	SCULPIN
2//0	2//0	1//0

84-140 PONDS 1045 05/06/84 150' F-MESH BEACH SEINE

CHUM
1//0

84-141 LEARMONTH ISLAND 1100 05/06/84 150' F-MESH BEACH SEINE

NO CATCH

84-142 ROSS BEACH 1130 05/06/84 150' F-MESH BEACH SEINE

CHUM	CUTTHROAT	GREAT	TUBESNOUT	BAYPIPE	SEBASTES
2//0	3//3	2//0	4//0	63//0	9//0
CRESCENT	PRICKLE				
4//0	1//0				

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	295	225.0	2	135	22.0
3	145	28.0			

84-143 FRASER ISLAND 1310 05/06/84 150' F-MESH BEACH SEINE

CHUM	COHO	DOLLY	CUTTHROAT	GREAT	TUBESNOUT
3//0	1//1	1//1	2//2	1//0	14//0
CRESCENT	SCULPIN				
1//0	1//0				

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	98	N/A			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	360	410.0	2	285	180.0

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	220	90.0			

84-144 SAVORY BAY 1400 05/06/84 150' F-MESH BEACH SEINE

CUTTHROAT	STICKLE	STAGHORN	TUBESNOUT	BAYPIPE	FLATFISH
2//2	1//0	2//0	26//0	5//0	11//0
CRESCENT	SHINER				
9//0	52//0				

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	420	590.0	2	310	220.0

84-145 GREG POINT 1445 05/06/84 150' F-MESH BEACH SEINE

CHUM	COHO	STICKLE	SANDLANCE	BAYPIPE	CRESCENT
69//69	1//1	70//0	1//0	1//0	5//0
BUFFALO	FISH SP				
1//0	2//0				

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	40	0.50	2	79	4.93
3	74	3.91	4	66	2.40
5	70	3.27	6	70	3.26
7	61	2.19	8	62	2.18
9	63	2.42	10	58	1.72
11	74	4.27	12	72	3.43
13	72	3.21	14	64	2.21
15	66	2.67	16	N/A	N/A
17	62	2.19	18	56	1.65
19	73	3.87	20	58	1.78
21	56	1.78	22	61	2.29
23	60	1.86	24	59	2.00
25	60	2.06	26	60	2.20
27	63	2.37	28	57	1.86
29	60	2.04	30	68	3.52
31	63	2.51	32	64	2.62
33	61	2.21	34	59	2.12
35	59	1.93	36	58	1.86
37	57	1.79	38	62	2.35
39	57	1.91	40	57	1.75
41	59	1.93	42	56	1.72
43	55	1.63	44	57	1.85
45	59	1.97	46	57	1.64
47	53	1.53	48	56	1.60
49	61	2.40	50	62	2.34
51	58	1.97	52	57	1.77
53	58	1.88	54	59	2.05
55	53	1.35	56	53	1.36
57	49	1.00	58	57	1.71
59	57	1.64	60	53	1.32
61	54	1.39	62	45	0.83
63	59	2.02	64	57	1.70
65	56	1.66	66	58	1.90
67	56	1.58	68	56	1.63
69	57	1.69			

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	98	N/A			

84-146 BIZARRE BEACH 1500 05/06/84 150' F-MESH BEACH SEINE

CHUM	COHO	CUTTHROAT	GREAT	STAGHORN	SILVER
8//8	1//0	1//1	2//0	1//0	1//0
TUBESNOUT	BAYPIPE	SEBASTES	BUFFALO	PRICKLE	CRESCENT
50//0	50//0	1//0	2//0	18//0	14//0
SHINER					
500//0					

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	65	2.62	2	61	2.12
3	43	0.69	4	58	2.05
5	62	2.31	6	62	2.34
7	64	2.65	8	62	2.17

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	295	240.0			

84-147 PARKER POINT 1600 05/06/84 150' F-MESH BEACH SEINE

DOLLY	CUTTHROAT	TUBESNOUT	BAYPIPE	SEBASTES	CRESCENT
1//1	1//1	1//0	1//0	2//0	2//0
BUFFALO					
2//0					

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	138	24.0			

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	113	10.0			

84-148 WAYNE BAY 1015 06/06/84 150' C-MESH BEACH SEINE

CHUM	COHO	STICKLE	STAGHORN	FLATFISH	CRESCENT
200//0	3//3	1//0	7//0	2//0	4//0
SCULPIN					
6//0					

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	114	N/A	2	108	N/A
3	123	N/A			

84-149 WOUTER BEACH 1050 06/06/84 150' C-MESH BEACH SEINE

CHUM	GREAT	SCULPIN
38//0	2//0	22//0

84-150 RACOON BEACH 1115 06/06/84 150' C-MESH BEACH SEINE

COHO	CUTTHROAT	SHINER
1//1	1//1	200//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	142	N/A			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	182	51.0			

84-151 PARKER POINT 1140 06/06/84 150' C-MESH BEACH SEINE

COHO	DOLLY	GREAT
3//3	5//5	3//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	130	N/A	2	108	N/A
3	116	N/A			

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	104	10.0	2	143	28.0
3	128	30.0	4	146	28.0
5	148	29.0			

84-152 BUCKLEY COVE 1225 06/06/84 150' C-MESH B N/A

DOLLY VARDEN

20//0 2//0 1//0 1//0

84-153 AIN RIVER MOUTH 1250 06/06/84 150' C-MESH BEACH SEINE

CUTTHROAT	STAGHORN	FLATFISH
16//15	6//0	16//0

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	291	180.0	2	285	170.0
3	282	160.0	4	288	200.0
5	322	300.0	6	285	180.0
7	271	160.0	8	270	160.0
9	375	360.0	10	315	200.0
11	298	220.0	12	295	200.0
13	402	560.0	14	333	280.0
15	384	520.0			

84-154 WAYNE BAY 1615 06/06/84 150' C-MESH BEACH SEINE

CHUM	CUTTHROAT	STICKLE	GREAT	STAGHORN	BAYPIPE
100//0	5//5	9//0	1//0	32//0	2//0
FLATFISH	CRESCENT	PRICKLE			
24//0	1//0	4//0			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	316	N/A	2	266	N/A
3	189	N/A	4	304	N/A
5	403	N/A			

84-156 PARKER POINT 1715 06/06/84 150' C-MESH BEACH SEINE

COHO	DOLLY	CUTTHROAT	GREENLING	CRESCENT	BUFFALO
2//2	1//1	1//1	1//0	1//0	1//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	122	N/A	2	114	N/A

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	114	14.0			

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	254	N/A			

84-158 MARINELLI POINT 0830 07/06/84 150' C-MESH BEACH SEINE

CHUM	COHO	CUTTHROAT	GREAT	STAGHORN	TUBESNOUT
12//0	5//5	1//1	4//0	2//0	8//0
BAYPIPE	FLATFISH	SHINER	POACHER	PRICKLE	CRESCENT
2//0	11//0	303//0	6//0	15//0	15//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	97	N/A	2	91	N/A
3	98	N/A	4	97	N/A
5	105	N/A			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	185	58.0			

84-175 MARINELLI POINT 0900 13/06/84 150' C-MESH BEACH SEINE

CHUM	COHO	STICKLE	GREAT	STAGHORN	TUBESNOUT
5//0	2//0	8//8	1//0	11//0	2//0
FLATFISH	SHINER	PRICKLE	CRESCENT	POACHER	EELPOUT
4//0	5//0	9//0	13//0	1//0	1//0

THREESPINE STICKLEBACK

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	66	2.87	2	66	2.85
3	64	2.34	4	61	2.57
5	65	3.04	6	63	3.21
7	63	2.95	8	N/A	N/A

84-176 SAVORY BAY 0930 13/06/84 150' C-MESH BEACH SEINE

STAGHORN	FLATFISH	GREENLING	SHINER	PRICKLE	CRESCENT
15//0	15//0	1//0	9//0	1//0	7//0
POACHER	SCULPIN				
1//0	1//0				

84-177 GREG POINT 1000 13/06/84 150' C-MESH BEACH SEINE

PINK	CHUM	COHO	DOLLY	STICKLE	HERRING
1//1	40//40	3//3	1//1	91//0	1//1
LAMPREY	CRESCENT	SCULPIN			
1//0	2//0	1//0			

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	42	0.68	2	60	1.97
3	76	4.40	4	75	4.01
5	66	2.57	6	59	1.97
7	65	2.48	8	65	2.58
9	69	3.08	10	83	5.97
11	71	3.44	12	70	3.25
13	71	3.63	14	71	3.14
15	67	2.81	16	76	4.00
17	74	3.50	18	86	5.75
19	74	3.85	20	79	4.62
21	75	4.33	22	68	2.62
23	68	2.80	24	69	3.17
25	63	2.30	26	71	3.23
27	80	4.87	28	76	3.70
29	66	2.64	30	62	2.38
31	69	3.47	32	67	2.72
33	77	4.20	34	62	2.23
35	72	3.42	36	65	2.46
37	71	3.35	38	87	5.89
39	65	2.46	40	65	2.77

PINK SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	93	6.80			

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	160	31.79			

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	69	3.67	2	98	9.41
3	97	9.65			

HERRING

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	144	31.39			

84-178 GRAVEL BAR 1115 13/06/84 150' C-MESH BEACH SEINE

COHO	STICKLE	TUBESNOUT	SHINER	BUFFALO
1//0	2//0	15//0	600//0	3//0

84-179 COOK POINT 1140 13/06/84 150' C-MESH BEACH SEINE

CHUM	COHO	STAGHORN	SILVER	TUBESNOUT	FLATFISH
17//17	5//0	4//0	4//0	10//0	1//0
SHINER	CRESCENT	PRICKLE			
81//0	5//0	1//0			

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	76	4.23	2	63	2.73
3	72	3.54	4	68	3.06
5	70	3.51	6	71	3.35
7	69	3.18	8	69	3.04
9	79	4.69	10	81	4.88
11	74	4.07	12	68	2.88
13	74	4.09	14	70	4.03
15	70	3.30	16	74	3.90
17	83	5.57			

84-180 ENTRY POINT 1230 13/06/84 150' C-MESH BEACH SEINE

COHO	DOLLY	GREAT	STAGHORN	FLATFISH	PRICKLE
100//0	125//0	3//0	13//0	2//0	1//0
CRESCENT	SHINER				
5//0	400//0				

84-181 CROWELL POINT 1315 13/06/84 150' C-MESH BEACH SEINE

CHUM	COHO	DOLLY	GREAT	STAGHORN	SILVER
5//0	4//0	2//0	3//0	1//0	1//0
TUBESNOUT	FLATFISH	BUFFALO	CRESCENT	SHINER	
5//0	1//0	1//0	5//0	2//0	

84-182 HONEYMOON BAY 1530 13/06/84 150' C-MESH BEACH SEINE

SOCKEYE	CHUM	STICKLE
2//2	31//31	19//19

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	76	4.23	2	71	3.61
3	69	3.20	4	76	4.45
5	74	3.96	6	69	3.17
7	72	3.36	8	84	6.87
9	71	3.57	10	78	4.55
11	66	2.72	12	72	3.72
13	71	3.70	14	75	3.90
15	77	4.22	16	71	3.36
17	72	3.84	18	68	3.32
19	63	2.65	20	71	3.65
21	74	3.76	22	72	3.82
23	72	3.92	24	64	2.46
25	67	2.94	26	73	4.04
27	80	5.13	28	70	3.29
29	79	5.18	30	75	3.90
31	76	4.43			

SOCKEYE SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	90	7.13	2	86	5.70

THREESPINE STICKLEBACK

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	62	2.90	2	61	2.78
3	70	4.09	4	58	1.98
5	51	1.43	6	58	1.94
7	52	1.32	8	58	2.03
9	58	2.15	10	59	2.23
11	54	1.58	12	54	1.79
13	65	3.35	14	61	2.32
15	58	2.11	16	61	2.84
17	59	2.55	18	64	3.39
19	62	2.63			

84-183 SLADE BAY 1700 13/06/84 150' C-MESH BEACH SEINE

CHUM	STICKLE
26//26	1//1

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	67	2.74	2	69	2.96
3	75	3.79	4	69	2.94
5	80	4.81	6	70	3.06
7	69	3.20	8	67	2.54
9	73	3.12	10	75	3.96
11	67	2.82	12	68	2.79
13	65	2.41	14	63	2.42
15	70	3.33	16	64	2.54
17	72	3.68	18	71	3.48
19	68	2.79	20	70	3.36
21	68	2.85	22	64	2.20
23	69	2.86	24	65	2.53
25	68	2.99	26	69	2.85

THREESPINE STICKLEBACK

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	61	2.58			

84-184 SAVORY BAY 0845 14/06/84 150' C-MESH BEACH SEINE

STICKLE	STAGHORN	FLATFISH	SHINER
1//0	5//0	3//0	2//0

84-185 GREG POINT 0915 14/06/84 150' C-MESH BEACH SEINE

CHUM	COHO	STICKLE	STAGHORN	TUBESNOUT	SHINER
20//18	5//3	50//0	1//0	1//0	500//0
CRESCENT					
3//0					

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	66	2.33	2	63	2.32
3	58	1.86	4	58	1.88
5	64	1.76	6	64	2.48
7	65	2.55	8	66	2.75
9	62	2.24	10	62	2.26
11	62	2.13	12	65	2.50
13	63	2.34	14	64	2.56
15	63	2.08	16	47	0.94
17	42	0.69	18	64	2.47

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	101	N/A	2	103	N/A
3	102	N/A			

84-186 BIZARRE BEACH 0945 14/06/84 150' C-MESH BEACH SEINE

GREAT	STAGHORN	TUBESNOUT	BAYPIPE	SHINER	CRESCENT
2//0	1//0	80//0	9//0	24//0	17//0
PRICKLE					
12//0					

84-187 PARKER POINT 1030 14/06/84 150' C-MESH BEACH SEINE

DOLLY	CUTTHROAT	GREENLING	BUFFALO	SCULPIN
3//3	1//1	1//0	1//0	2//0

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	112	11.0			

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	253	100.0	2	234	100.0
3	197	74.0			

84-188 WAYNE BAY 1100 14/06/84 150' C-MESH BEACH SEINE

CHUM	COHO	CUTTHROAT	STICKLE	STAGHORN	SILVER
100//93	2//2	1//1	150//0	10//0	20//0
TUBESNOUT	BAYPIPE	FLATFISH	CRESCENT	SHINER	
7//0	3//0	8//0	2//0	1000//0	

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	63	2.22	2	57	1.83
3	59	1.94	4	59	1.97
5	60	2.19	6	62	2.40
7	64	2.53	8	60	2.17
9	58	1.93	10	59	1.94
11	61	2.22	12	57	1.86
13	52	1.45	14	58	1.95
15	58	2.20	16	64	2.48
17	63	2.67	18	62	2.23
19	60	1.97	20	62	2.32
21	54	1.47	22	59	2.20
23	61	2.10	24	63	2.46
25	61	2.25	26	64	2.59
27	64	2.45	28	62	2.30
29	60	2.18	30	60	1.89
31	61	2.36	32	60	2.05
33	60	2.21	34	55	1.69
35	58	2.05	36	53	1.52
37	61	2.18	38	62	2.22
39	58	1.89	40	58	1.95
41	60	2.08	42	60	2.01
43	60	2.20	44	61	2.26
45	50	1.20	46	52	1.36
47	63	2.49	48	53	1.65
49	54	1.55	50	65	2.45
51	62	2.39	52	47	1.04
53	60	2.28	54	56	1.67
55	62	2.23	56	63	2.23
57	62	2.25	58	62	2.26
59	60	2.09	60	65	2.61
61	52	1.30	62	63	2.28
63	61	2.15	64	62	2.12
65	60	2.03	66	61	2.07
67	60	2.08	68	63	2.31
69	58	1.84	70	56	1.60
71	51	1.32	72	58	1.96
73	60	2.10	74	59	2.00
75	58	1.93	76	60	2.37
77	64	2.42	78	59	2.03
79	48	1.10	80	63	2.51
81	53	1.48	82	57	1.36
83	59	1.96	84	58	2.09
85	61	2.20	86	59	2.05
87	56	1.86	88	61	2.14
89	62	2.25	90	58	1.90
91	59	1.89	92	57	1.84
93	59	2.09			

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	88	N/A	2	118	N/A

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	97	8.0			

84-189 MUTUS BEACH 1200 14/06/84 150' C-MESH BEACH SEINE

STICKLE	GREAT	STAGHORN	CRESCENT
1//0	1//0	1//0	2//0

84-190 PONDS 1310 14/06/84 150' C-MESH BEACH SEINE

STICKLE
1//0

84-191 LEARMONTH ISLAND 1340 14/06/84 150' C-MESH BEACH SEINE

CHUM	STICKLE
11//11	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	69	3.13	2	75	4.20
3	76	4.14	4	78	4.67
5	73	3.66	6	79	4.40
7	76	3.90	8	79	4.43
9	80	4.95	10	81	5.06
11	78	4.57			

84-192 ROSS BEACH 1400 14/06/84 150' C-MESH BEACH SEINE

CUTTHROAT	GREAT	STAGHORN	TUBESNOUT	BAYPIPE	SEBASTES
2//2	1//0	2//0	21//0	9//0	2//0
FLATFISH	SHINER	CRESCENT	PRICKLE	SCULPIN	
4//0	55/0	10//0	1//0	3//0	

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	148	28.0	2	141	26.0

84-193 FRASER ISLAND 1430 14/06/84 150' C-MESH BEACH SEINE

CHUM	DOLLY	CUTTHROAT	TUBESNOUT
1//0	3//3	1//1	19//0

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	216	92.0			

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	158	35.0	2	226	100.0
3	231	100.0			

84-209 WAYNE BAY 1100 17/06/84 150' C-MESH BEACH SEINE

CHUM	CUTTHROAT	STICKLE	GREAT	STAGHORN	FLATFISH
132//0	1//0	11//0	1//0	13//0	2//0
SCULPIN	CRESCENT				
9//0	7//0				

84-210 PARKER POINT 1310 17/06/84 150' C-MESH BEACH SEINE

CHUM	COHO	DOLLY	CUTTHROAT	GREAT	FLATFISH
2//0	5//5	2//2	6//6	1//0	1//0
SCULPIN	CRESCENT				
1//0	8//0				

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	106	N/A	2	96	N/A
3	88	N/A	4	82	N/A
5	89	N/A			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	114	10.0	2	115	11.0
3	130	19.0	4	121	11.0
5	164	37.0	6	132	21.0

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	104	8.0	2	104	8.0

84-211 WAYNE BAY 1515 17/06/84 150' C-MESH BEACH SEINE

CHUM	CUTTHROAT	GREAT	STAGHORN	TUBESNOUT	FLATFISH
16//0	3//3	1//0	5//0	18//0	3//0
SCULPIN	CRESCENT	PRICKLE			
14//0	4//0	5//0			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	134	21.0	2	198	75.0
3	160	40.0			

84-218 MARINELLI POINT 0830 21/06/84 150' C-MESH BEACH SEINE

COHO	GREAT	STAGHORN	TUBESNOUT	FLATFISH	CRESCENT
1//0	3//0	2//0	1//0	2//0	9//0
PRICKLE	SHINER	POACHER			
5//0	13//0	2//0			

84-219 FRASER ISLAND 0900 21/06/84 150' C-MESH BEACH SEINE

CHUM	DOLLY
1//0	4//4

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	143	25.0	2	163	38.0
3	141	20.0	4	181	55.0

84-220 ROSS BEACH 0930 21/06/84 150' C-MESH BEACH SEINE

CHUM	GREAT	BAYPIPE	FLATFISH	BUFFALO	CRESCENT
1//0	1//0	1//0	1//0	2//0	1//0

84-221 LEARMONTH ISLAND 0950 21/06/84 150' C-MESH BEACH SEINE

CHUM	STICKLE	BAYPIPE
20//20	10//0	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	76	4.22	2	83	5.62
3	81	4.61	4	75	4.27
5	85	5.96	6	79	4.74
7	83	5.24	8	82	5.44
9	75	4.13	10	75	4.13
11	83	4.91	12	77	4.08
13	77	4.13	14	88	6.14
15	87	6.43	16	80	4.59
17	84	5.50	18	77	4.81
19	79	4.91	20	82	5.08

84-222 PONDS 1015 21/06/84 150' C-MESH BEACH SEINE

CHUM	STICKLE	SANDLANCE	HERRING
96//49	19//0	1//0	1//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	77	N/A	2	77	N/A
3	74	N/A	4	73	N/A
5	81	N/A	6	68	N/A
7	78	N/A	8	77	N/A
9	73	N/A	10	77	N/A
11	70	N/A	12	72	N/A
13	87	N/A	14	71	N/A
15	65	N/A	16	78	N/A
17	71	N/A	18	70	N/A
19	78	N/A	20	68	N/A
21	74	N/A	22	74	N/A
23	70	N/A	24	80	N/A
25	81	N/A	26	77	N/A
27	70	N/A	28	77	N/A
29	72	N/A	30	71	N/A
31	79	N/A	32	76	N/A
33	73	N/A	34	76	N/A
35	77	N/A	36	80	N/A
37	72	N/A	38	84	N/A
39	77	N/A	40	70	N/A
41	75	N/A	42	84	N/A
43	77	N/A	44	74	N/A
45	79	N/A	46	79	N/A
47	76	N/A	48	78	N/A
49	69	N/A			

84-223 MUTUS BEACH 1115 21/06/84 150' C-MESH BEACH SEINE

STICKLE	GREAT
3//0	1//0

84-224 WAYNE BAY 1140 21/06/84 150' C-MESH BEACH SEINE

CHUM	STICKLE	STAGHORN	CRESCENT
45//45	8//0	20//0	12//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	55	N/A	2	58	N/A
3	59	N/A	4	67	N/A
5	54	N/A	6	63	N/A
7	55	N/A	8	58	N/A
9	62	N/A	10	57	N/A

11	58	N/A	12	54	N/A
13	59	N/A	14	57	N/A
15	65	N/A	16	61	N/A
17	64	N/A	18	54	N/A
19	56	N/A	20	59	N/A
21	61	N/A	22	61	N/A
23	62	N/A	24	58	N/A
25	62	N/A	26	64	N/A
27	58	N/A	28	60	N/A
29	57	N/A	30	61	N/A
31	59	N/A	32	56	N/A
33	60	N/A	34	54	N/A
35	58	N/A	36	57	N/A
37	62	N/A	38	57	N/A
39	57	N/A	40	60	N/A
41	56	N/A	42	57	N/A
43	59	N/A	44	57	N/A
45	61	N/A			

84-225 PARKER POINT 1300 21/06/84 150' C-MESH BEACH SEINE

CUTTHROAT	GREAT	SCULPIN
1//1	2//0	4//0

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	166	40.0			

84-226 BIZARRE BEACH 1345 21/06/84 150' C-MESH BEACH SEINE

GREAT	TUBESNOUT	PRICKLE	CRESCENT	PAC COD	SHINER
1//0	72//0	1//0	1//0	1//0	11//0

84-227 GREG POINT 1415 21/06/84 150' C-MESH BEACH SEINE

CHUM	COHO	CUTTHROAT	STICKLE	GREAT	SILVER
230//230	69//69	1//1	153//0	1//0	1//0
TUBESNOUT	SEBASTES	CRESCENT	BUFFALO	SHINER	PRICKLE
112//0	1//0	3//0	1//0	1//0	1//0
PAC COD					
1//0					

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	93	7.51	2	88	6.63
3	83	6.24	4	83	5.73
5	80	5.04	6	91	7.12
7	91	6.98	8	95	8.26
9	71	3.24	10	62	2.46
11	79	4.28	12	81	4.56
13	82	5.04	14	93	7.46
15	100	9.67	16	83	5.18
17	86	5.84	18	75	4.05
19	87	7.12	20	69	3.20
21	90	7.18	22	78	4.38
23	84	5.47	24	79	4.63
25	80	4.88	26	53	1.47
27	85	6.26	28	90	6.96
29	84	5.61	30	79	4.69
31	70	3.31	32	86	5.66
33	75	4.31	34	88	6.14
35	94	7.69	36	76	4.01
37	88	6.20	38	69	3.23
39	88	6.58	40	90	6.85
41	67	2.65	42	67	2.70
43	87	5.94	44	101	9.51
45	93	7.96	46	85	5.77
47	44	0.88	48	84	6.08
49	86	5.88	50	88	5.96
51	83	6.23	52	88	5.86
53	80	4.67	54	71	3.48
55	91	6.63	56	89	7.23
57	91	7.16	58	90	6.71
59	88	5.77	60	76	4.24
61	92	7.60	62	88	6.44
63	N/A	N/A	64	85	6.10
65	93	8.19	66	91	7.11
67	72	3.99	68	87	6.16
69	85	5.92	70	65	2.70
71	63	2.22	72	84	5.53
73	80	5.22	74	88	6.46
75	67	3.05	76	99	9.75
77	83	5.35	78	99	8.89
79	86	6.11	80	79	4.84
81	92	7.35	82	74	3.86
83	91	7.05	84	77	4.56
85	71	3.60	86	96	8.60
87	90	6.76	88	83	5.50
89	87	6.43	90	91	6.79
91	90	6.30	92	68	2.72
93	68	3.10	94	87	5.59
95	90	6.70	96	94	7.53
97	88	6.41	98	80	5.23
99	91	6.91	100	85	6.00

101	94	7.80	102	91	7.35
103	90	7.53	104	85	5.64
105	87	N/A	106	86	6.03
107	79	5.05	108	80	5.24
109	86	5.84	110	76	4.23
111	74	4.00	112	78	4.76
113	73	3.84	114	88	7.08
115	80	4.75	116	90	7.01
117	76	4.25	118	90	7.20
119	86	5.74	120	90	6.44
121	76	3.97	122	90	6.55
123	90	7.39	124	75	3.89
125	86	5.75	126	73	3.66
127	85	5.76	128	97	9.08
129	77	4.67	130	97	9.54
131	51	1.32	132	75	4.18
133	75	3.72	134	88	6.46
135	79	4.08	136	93	7.54
137	74	3.78	138	79	4.98
139	79	4.90	140	59	2.01
141	92	7.17	142	95	7.83
143	88	6.76	144	80	4.83
145	101	10.25	146	90	7.43
147	80	4.89	148	77	3.99
149	93	8.40	150	83	5.57
151	86	5.78	152	91	7.12
153	88	6.19	154	82	5.21
155	90	6.96	156	95	7.90
157	74	3.84	158	98	8.63
159	92	7.33	160	88	6.09
161	90	7.20	162	72	3.44
163	90	7.38	164	96	8.48
165	95	7.59	166	77	4.25
167	83	5.69	168	90	6.82
169	85	5.99	170	91	7.36
171	87	6.03	172	85	5.35
173	93	7.70	174	85	5.79
175	95	8.68	176	88	6.11
177	88	6.32	178	94	8.06
179	79	4.67	180	82	5.65
181	81	5.37	182	84	5.56
183	82	4.95	184	85	5.92
185	91	6.69	186	88	6.54
187	66	2.76	188	85	5.79
189	83	4.86	190	81	5.10
191	89	6.07	192	85	5.89
193	84	5.43	194	93	7.62
195	87	6.15	196	85	5.50
197	95	8.21	198	85	5.69
199	91	7.38	200	88	6.58

201	83	5.14	202	83	5.67
203	75	4.12	204	93	7.01
205	88	6.78	206	80	5.01
207	85	5.32	208	90	6.88
209	92	7.23	210	77	4.57
211	77	4.49	212	85	5.51
213	81	4.68	214	88	5.49
215	90	6.08	216	90	6.91
217	90	7.31	218	78	4.47
219	74	4.04	220	95	7.61
221	89	7.03	222	84	6.15
223	93	7.82	224	85	5.60
225	89	6.55	226	100	9.38
227	93	7.40	228	93	6.93
229	71	3.22	230	82	4.52

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	70	3.59	2	68	3.19
3	64	2.70	4	57	2.06
5	65	2.90	6	59	2.29
7	65	3.02	8	66	3.07
9	69	3.70	10	66	3.08
11	73	4.78	12	65	3.07
13	60	2.24	14	71	4.17
15	59	2.37	16	58	2.04
17	65	2.85	18	67	3.34
19	68	3.22	20	57	2.14
21	63	2.79	22	59	2.31
23	60	2.18	24	59	2.43
25	70	3.65	26	76	4.70
27	63	2.79	28	60	2.19
29	57	2.07	30	57	1.89
31	65	2.84	32	62	2.63
33	62	2.73	34	65	2.95
35	57	1.90	36	60	2.50
37	65	3.17	38	64	2.56
39	73	4.21	40	66	3.09
41	70	3.47	42	67	3.16
43	58	2.09	44	63	2.56
45	66	2.80	46	62	2.54
47	70	3.76	48	56	1.79
49	65	2.56	50	62	2.64
51	67	3.07	52	61	2.36
53	64	2.52	54	65	3.06
55	66	3.27	56	60	2.68
57	68	3.31	58	65	3.09
59	63	2.68	60	71	3.50

61	54	1.92	62	64	2.76
63	65	2.89	64	61	2.36
65	60	2.40	66	103	11.31
67	74	4.04	68	95	9.28
69	95	8.87			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	84	22.5			

84-228 SAVORY BAY 1610 21/06/84 150' C-MESH BEACH SEINE

CHUM	COHO	STICKLE	STAGHORN	TUBESNOUT	FLATFISH
3//0	9//0	6//0	4//0	8//0	9//0
PRICKLE					
3//0					

84-248 MARINELLI POINT 0820 29/06/84 150' C-MESH BEACH SEINE

COHO	GREAT	STAGHORN	TUBESNOUT	CRESCENT	SHINER
8//0	3//0	6//0	1//0	4//0	1//0
POACHER					
2//0					

84-249 SAVORY BAY 0900 29/06/84 150' C-MESH BEACH SEINE

STICKLE	GREAT	STAGHORN	FLATFISH	CRESCENT	POACHER
1//0	4//0	2//0	2//0	4//0	1//0

84-250 GREG POINT 0930 29/06/84 150' C-MESH BEACH SEINE

CHUM	COHO	CUTTHROAT	STICKLE	TUBESNOUT	BAYPIPE
91//32	15//0	2//2	118//0	1//0	4//0
CRESCENT	SHINER				
1//0	4//0				

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	73	3.81	2	82	5.11
3	86	5.50	4	59	2.08
5	80	5.18	6	66	2.93
7	81	5.19	8	74	3.99
9	86	6.18	10	83	6.17
11	86	6.29	12	76	4.41
13	65	2.61	14	86	6.13
15	75	4.27	16	84	5.79
17	66	5.97	18	77	4.54
19	86	6.45	20	90	6.98
21	83	5.50	22	87	7.04
23	80	5.19	24	82	5.31
25	89	6.93	26	83	5.64
27	84	6.01	28	65	3.02
29	83	5.88	30	78	5.08
31	63	2.76	32	59	1.91

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	354	440.0	2	172	38.0

84-251 BIZARRE BEACH 1120 29/06/84 150' C-MESH BEACH SEINE

COHO	STICKLE	TUBESNOUT	BAYPIPE	FLATFISH	CRESCENT
1//0	1//0	146//0	2//0	1//0	2//0
SHINER	PRICKLE	GADUS SP			
8//0	2//0	1//0			

84-252 PARKER POINT 1200 29/06/84 150' C-MESH BEACH SEINE

COHO	CUTTHROAT	TUBESNOUT	SEBASTES
3//3	2//2	6//0	5//0

COHO SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	113	N/A	2	116	N/A
3	116	N/A			

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	130	14.0	2	113	8.0

84-253 WAYNE BAY 1310 29/06/84 150' C-MESH BEACH SEINE

CHUM	GREAT	TUBESNOUT	FLATFISH	SHINER	PRICKLE
3//0	2//0	11//0	4//0	2//0	7//0
CRESCENT	SCULPIN				
7//0	8//0				

84-254 MUTUS BEACH 1330 29/06/84 150' C-MESH BEACH SEINE

CHUM	STICKLE	SCULPIN
34//34	4//0	4//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	76	4.10	2	76	5.01
3	75	4.71	4	73	4.15
5	76	4.70	6	65	2.78
7	75	4.48	8	79	4.87
9	73	4.30	10	77	5.14
11	77	4.72	12	78	5.11
13	79	4.62	14	70	3.58
15	70	3.55	16	73	3.94
17	70	3.70	18	70	3.67
19	72	4.20	20	72	4.33
21	79	5.44	22	74	4.62
23	75	4.56	24	74	4.22
25	81	6.14	26	69	3.46
27	65	2.88	28	67	3.20
29	69	3.18	30	70	3.21
31	82	5.71	32	72	3.68
33	72	4.01	34	N/A	N/A

84-255 PONDS 1400 29/06/84 150' C-MESH BEACH SEINE

CHUM
1//0

84-256 LEARMONTH ISLAND 1615 29/06/84 150' C-MESH BEACH SEINE

STICKLE
2//0

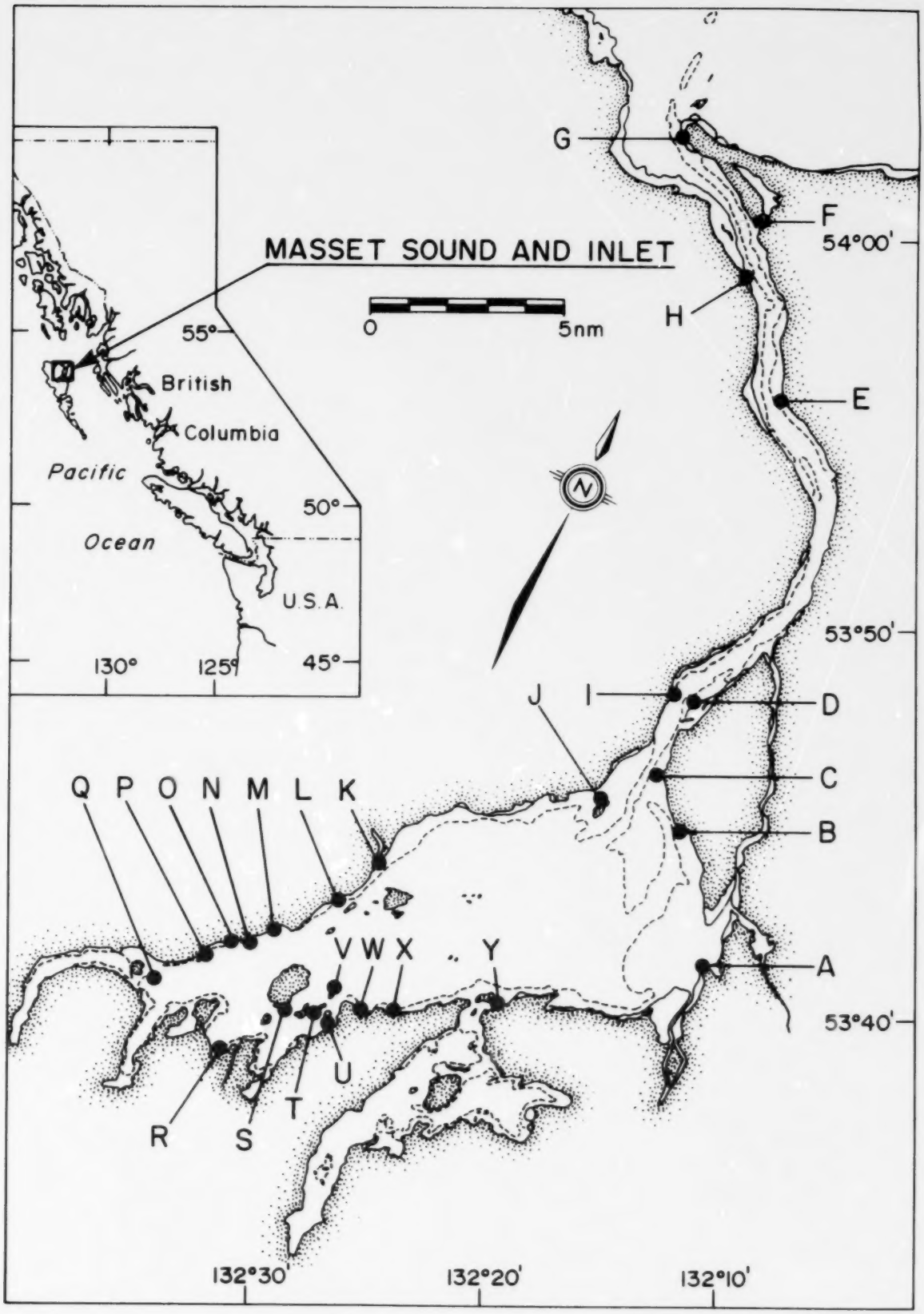
84-257 ROSS BEACH 1630 29/06/84 150' C-MESH BEACH SEINE

CHUM	STICKLE	GREAT	BAYPIPE
1//0	6//0	3//3	1//0

84-258 FRASER ISLAND 1650 29/06/84 150' C-MESH BEACH SEINE

NO CATCH

Fig. 1. All locations in Masset Inlet and Masset Sound where beach seining was conducted in 1984.


MASSET SOUND AND INLET
0
5nm
55°
50°
British
Columbia
Pacific
Ocean
U.S.A.
130°
125°
45°
G
F
54°00'
H
E
53°50'
J
I
D
C
B
A
53°40'
Q
P
O
N
M
L
K
V
W
X
Y
U
T
S
R
132°30'
132°20'
132°10'

APPENDIX 1:

To reduce the length of this report as much as possible, data are shown in a condensed format. Three examples, indicative of the major variations, are shown below. Each example is followed by a detailed explanation on how the data should be interpreted.

EXAMPLE #1:

84-092 MARINELLI POINT 0845 17/05/84 150' F-MESH BEACH SEINE

NO CATCH

This is an example of data for a beach seine set in which no fish were captured. The data should be interpreted as follows:

84-092 - sample identification number

This data report provides information for all beach seine sets completed in 1984, including cases where no fish were captured. In the above example, the first number (84-092) is the code originally used to identify the set. Set numbers were assigned consecutively, starting with '84-001' on 1 May and ending with '84-258' on 29 June. The first two digits indicate the year and the dash (-) serves simply to separate the year from the set number. Thus the first three digits are always "84-" in this report.

MARINELLI POINT - location of beach seine set

To facilitate bookkeeping of samples and associated data, each beach seining location in Masset Inlet and Masset Sound was assigned a unique name. These names, and the locations to which they refer, are shown in Appendix 3 and Figure 1.

0845 - the time of day when the beach seine set was completed.

All times are given in 24-hour format (eg. 8:10 a.m. is shown as 0810; 3 p.m. is shown as 1500) and are in Pacific Standard Time prior to 29 April and Pacific Daylight Savings Time thereafter.

17/05/84 - date of beach seine set

All dates are shown in day/month/year format.

150' F-MESH BEACH SEINE - indicates which beach seine was used.

Two different beach seines were used in 1984. One seine had 6.4-mm (0.25-inch) stretched mesh and is referred to as "F-MESH" (for fine-mesh) beach seine. The other seine had 12.7-mm (0.5-inch) stretched mesh and is referred to as "C-MESH" (for coarse-mesh) beach seine.

NO CATCH - catch statistics summary

A summary of the number of each species of fish captured in this particular beach seine set is enclosed between the lines. In this example "NO CATCH" appears indicating that no fish were captured. See examples below for illustrations of the format used when fish were captured.

EXAMPLE #2:

84-014 SAVORY BAY 1000 03/05/84 150' F-MESH BEACH SEINE

CHUM	STICKLE	STAGHORN	TUBESNOUT	FLATFISH
50//0	1//0	5//0	1//0	1//0

In addition to general information, this example shows the data format used when fish were captured. These type of data should be interpreted as follows:

84-014 - sample identification number (fourteenth beach seine set in 1984)

SAVORY BAY - location of beach seine set (see Fig. 1)

1000 - beach seine set was completed and sample obtained at 1000 hr. (10:00 a.m.).

03/04/85 - sample was collected on 3 April 1985.

150' F-MESH BEACH SEINE - sample was collected with fine mesh beach seine

CHUM	STICKLE	STAGHORN	TUBESNOUT	FLATFISH
50//0	1//0	5//0	1//0	1//0

- summary of number caught and number kept for each species.

The names of the fish are abbreviated (see list in Appendix 2). Below the names are two numbers, separated by a double slash (//). In each case the first number indicates the number of fish captured, and the second number indicates number of fish retained for further analyses (eg. measurements of length and weight). For this particular example, these data indicate that a total of 50 chum salmon (Oncorhynchus keta), 1 threespine stickleback (Gasterosteus aculeatus), 5 staghorn sculpin (Leptocottus armatus), 1 tubesnout (Aulorhynchus flavidus), and 1 flatfish (Bothidae or Pleuronectidae) were captured, and none were retained for further analyses.

EXAMPLE #3:

This example illustrates a set where seven different species were captured and samples of five species were retained. It also shows the format

used for the additional data obtained from the subsequent measurements of length and weight of these fish.

84-094 GREG POINT 0950 17/05/84 150' F-MESH BEACH SEINE

SOCKEYE	CHUM	DOLLY	CUTTHROAT	GREAT	SILVER
2//2	100//33	3//3	1//1	1//1	1//0

BUFFALO
2//0

CHUM SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	45	0.92	2	47	1.01
3	41	0.53	4	47	1.01
5	49	1.25	6	42	0.72
7	44	0.87	8	46	0.97
9	43	0.79	10	40	0.52
11	43	0.73	12	40	0.49
13	44	0.79	14	49	1.03
15	42	0.67	16	43	0.75
17	52	1.48	18	49	1.06
19	44	0.77	20	44	0.76
21	43	0.73	22	43	0.65
23	48	1.14	24	42	0.58
25	45	0.84	26	48	1.18
27	47	1.03	28	43	0.72
29	44	0.84	30	43	0.93
31	N/A	N/A	32	N/A	N/A
33	N/A	N/A			

SOCKEYE SALMON

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	89	N/A	2	88	N/A

COASTAL CUTTHROAT TROUT

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	286	N/A			

DOLLY VARDEN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	160	N/A	2	193	N/A
3	259	N/A			

GREAT SCULPIN

NO.	LENGTH	WEIGHT	NO.	LENGTH	WEIGHT
1	367	N/A			

As in the previous examples, the first line provides general information. In this particular case, the sample identification number is 84-094, the sample was collected at Greg Point, at 0950 hours, on 17 April 1984, using the fine-mesh beach seine.

The second and third lines indicate that seven different species of fish were captured: 2 sockeye salmon, 100 chum salmon, 3 Dolly Varden 1 cutthroat Trout, 1 great sculpin, 1 silver sculpin, and 2 buffalo sculpin. Of these, 2 sockeye, 33 chum, 3 Dolly Varden, 1 cutthroat, and 1 great sculpin were retained for further analyses. No samples of the silver sculpin or buffalo sculpin were retained.

The remaining lines provide detailed length and weight data for fish that were retained in the sample. In this particular example, size data are provided for 2 sockeye, 33 chums, 3 Dolly Varden, 1 cutthroat trout, and 1 great sculpin - the exact number of fish retained from the original catch. This type of detailed data was not obtained for all sets, as there were frequently insufficient numbers of fish captured to warrant retaining a sample. On other occasions a surplus of fish were retained as a sample. In these instances, some proportion of the sample was measured and weighed and the remaining fish examined for other characteristics only (such as scars or wounds). The abbreviation "N/A" (Not Available) is sometimes found in the weight column, this means the fish was measured but not weighed. Occasionaly "N/A" is found in both columns, this results from a situation similar to the example above. Fish were examined (in this case usually for stomach contents) but no size data were obtained. The records are included here to prevent confusion as to whether or not the fish were actually sampled.

APPENDIX 2:

List of fishes and abbreviations used in this report.

Abbreviation	Common Name	Scientific Name
SOCKEYE	Sockeye salmon	Oncorhynchus nerka
PINK	Pink salmon	O. gorbuscha
CHUM	Chum salmon	O. keta
COHO	Coho salmon	O. kisutch
DOLLY	Dolly Varden	Salvelinus malma
CUTTHROAT	Coastal Cutthroat trout	Salmo clarki clarki
GREAT	Great sculpin	Myoxocephalus polyacanthocephalus
STAGHORN	Staghorn sculpin	Leptocottus armatus
SILVER	Silverspotted sculpin	Blepsias cirrhosus
BUFFALO	Buffalo sculpin	Enophrys bison
SOFT	Soft sculpin	Gilbertidia sigalutes
TIDEPOOL	Tidepool sculpin	Oligocottus maculosus
SCULPIN	Sculpin species	Cottidae
SANDLANCE	Pacific Sand Lance	Ammodytes hexapterus
TUBESNOUT	Tube-snout	Aulorhynchus flavidus
BAYPIPE	Bay Pipefish	Syngnathus griseolineatus
HERRING	Pacific herring	Clupea harengus pallasi
SEBASTES	Rockfish species	Sebastes spp.
FLATFISH	Flounder or Sole species	Bothidae or Pleuronectidae
STARRY	Starry flounder	Platichthys stellatus
GREENLING	Greenling species	Hexagrammidae
KELP	Kelp greenling	Hexagrammos decagrammus
ROCK	Rock greenling	H. lagocephalus
MASKED	Masked greenling	H. octogrammus
STICKLE	Threespine stickleback	Gasterosteus aculeatus
TUBENOSE	Tubenose poacher	Pallasina barbata aix
POACHER	Poacher species	Agonidae
CRESCENT	Crescent gunnel	Pholis laeta
SHINER	Shiner perch	Cymatogaster aggregata
COD	Codfish species	Gadidae
PAC COD	Pacific Cod	Gadus macrocephalus
PRICKLE	Snake prickleback	Lumpenus sagitta
GOBY	Goby species	Gobiidae
LARVAL FISH	Larval Fish species	Pisces

APPENDIX 3:

List and description of all locations where beach seine sampling was conducted in 1984. Sites that were routinely sampled (once every 7 days) are indicated by an asterisk (*). The characters A-Y in the first column correspond to the labels shown in Figure 1.

LABEL	NAME	FREQUENCY	DESCRIPTION
A	Marinelli Point	*	gently sloping, muddy substrate, eelgrass
B	Savory Bay	*	gently sloping, sandy substrate, eelgrass
C	Greg Point	*	moderately sloping, rocky substrate, kelp
D	Gravel Bar		gently sloping, gravel and sand substrate, kelp
E	Griffith Point		gently sloping, gravel and rock substrate
F	Masset		gently sloping, muddy substrate, eelgrass
G	Entry Point		gently sloping, gravel substrate, kelp
H	Crowell Point		gently sloping, gravel substrate, eel grass
I	Cook Point		moderately sloping, gravel substrate, fucus
J	Bizarre Beach	*	moderately sloping, gravel substrate, fucus
K	Ain River Mouth		gently sloping, gravel and sand substrate, eelgrass
L	Buckley Cove		gently sloping, gravel and sand substrate, eelgrass
M	Parker Point	*	moderately sloping, gravel substrate, fucus
N	Raccoon Beach		moderately sloping, gravel substrate, fucus
O	Wouter Beach		moderately sloping, gravel substrate, fucus
P	Wayne Bay	*	gently sloping, gravel and mud substrate eelgrass
Q	Mutus Beach	*	gently sloping, gravel substrate
R	Awun Bay		moderately sloping, gravel and rock substrate, fucus
S	Honeymoon Bay		gently sloping, gravel substrate
T	Ponds	*	moderately sloping, gravel and rock substrate
U	Slade Bay		steeply sloping, rocky sloping, fucus

V	Learmonth Island	*	moderately sloping, rocky substrate, fucus
W	Bruce Bay		moderately sloping, rocky substrate, fucus
X	Ross Beach	*	gently sloping, gravel and sand substrate, eelgrass
Y	Fraser Island	*	gently sloping, gravel substrate, fucus